

Sterling Secure Proxy



Configuration Manager REST APIs

Version 34

Sterling Secure Proxy



Configuration Manager REST APIs

Version 34

Note

Before using this information and the product it supports, read the information in "Notices" on page 107.

This edition applies to version 3.3.01 of IBM Sterling Secure Proxy and to all subsequent releases and modifications until otherwise indicated in new editions.

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Chapter 1. Getting Started

The IBM Sterling Secure Proxy Configuration Manager Representational State Transfer Application Programming Interface, allows clients (rest clients within browsers or stand-alone java programs) to interact with the Sterling Secure Proxy Configuration Manager and perform create, update, delete, get Secure Proxy configuration objects, and initiate configuration related tasks. All the required libraries necessary to interact with the REST API are bundled as part of the Sterling Secure Proxy Configuration Manager install; a separate folder (sdk) contains the relevant documents required to get started with using the REST APIs.

Note: Please refer to the ReadMe.txt file inside the sdk folder.

The Sample.java program, which is also part of the sdk folder provides examples for invoking the REST APIs

The Sterling Secure Proxy Configuration Manager REST API can be accessed from the host and port where the Sterling Secure Proxy Configuration Manager dashboard is configured. For example, if the dashboard is listening on port 8443 on the localhost, the URL for the SSP CM REST API would be: `https://localhost:8443/sspcmrest/sspcm/rest`

Appropriate resources can further be accessed by navigating to the appropriate resource and invoking the corresponding methods as documented.

`https://localhost:8443/sspcmrest/sspcm/rest/{resourceName}/{methodName}/{inputParametersWhereApplicable}`

Sample Programs

Sample programs are provided to assist in understanding how to use the IBM Sterling Secure Proxy Configuration Manager REST APIs.

SampleAbstract.java

SampleAbstract.java is an abstract class that is extended by other Sample classes, such as SampleAcceptor.java.

Table 1. SampleAbstract Details.

Sample Program Name	Location
<i>SampleAbstract.java</i>	com/ibm/sspcm/rest/sdk

SampleAcceptor.java

Sample showing how to retrieve and update the System Acceptors (Listeners - part of System Settings) definitions.

Table 2. SampleAcceptor Details.

Sample Program Name	Location
<i>SampleAcceptor.java</i>	com/ibm/sspcm/rest/sdk

SampleConfigUser.java

Sample showing how to create, retrieve, update and delete the Configuration Manager user definitions.

Table 3. SampleConfigUser Details.

Sample Program Name	Location
SampleConfigUser.java	com/ibm/sspcm/rest/sdk

SampleEAserver.java

Sample showing how to create, retrieve, update and delete EA Server definitions.

Table 4. SampleEAserver Details.

Sample Program Name	Location
SampleEAserver.java	com/ibm/sspcm/rest/sdk

SamplePasswordPolicy.java

Sample showing how to create, retrieve, update and delete Password Policy definitions.

Table 5. SamplePasswordPolicy Details.

Sample Program Name	Location
SamplePasswordPolicy.java	com/ibm/sspcm/rest/sdk

SamplePerimeterServer.java

Sample showing how to create, retrieve, update and delete Perimeter Server definitions.

Table 6. SamplePerimeterServer Details.

Sample Program Name	Location
SamplePerimeterServer.java	com/ibm/sspcm/rest/sdk

SampleSsoConfig.java

Sample showing how to create, retrieve, update and delete SSO Configuration definitions.

Table 7. SampleSsoConfig Details.

Sample Program Name	Location
SampleSsoConfig.java	com/ibm/sspcm/rest/sdk

SampleSysGlobals.java

Sample showing how to retrieve and update the System Globals (Globals - part of System Settings) definitions.

Table 8. SampleSysGlobals Details.

Sample Program Name	Location
<i>SampleSysGlobals.java</i>	com/ibm/sspcm/rest/sdk

SampleSysSslInfo.java

Sample showing how to retrieve and update the System SSL Info (Security - part of System Settings) definitions.

Table 9. SampleSysSslInfo Details.

Sample Program Name	Location
<i>SampleSysSslInfo.java</i>	com/ibm/sspcm/rest/sdk

SampleUserStore.java

Sample showing how to create, retrieve, update and delete User Store definitions.

Table 10. SampleUserStore Details.

Sample Program Name	Location
<i>SampleUserStore.java</i>	com/ibm/sspcm/rest/sdk

Chapter 2. Adapter REST API

Use the Adapter API to manage adapters in the IBM Sterling Secure Proxy Configuration Management.

Note: The Adapter API applies to IBM Sterling Secure Proxy Configuration Management adapters.

Create Adapter

Creates an adapter on the Sterling Secure Proxy Configuration Manager.

With the *createAdapter* method, you can create an adapter on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 11. Create Adapter request details.

Method	Resource	URI	Description
POST	<i>adapter</i>	/sspcmrest/sspcm/rest/adapter/createAdapter	Creates a new adapter on the Sterling Secure Proxy Configuration Manager

Table 12. Create Adapter request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new adapter definition within Sterling Secure Proxy Configuration Manager

Create Adapter example

The following example shows the HTTP request.

HTTP Adapter request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/adapter/createAdapter
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining an adapter
```

XML Adapter response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse><statusCode>200</statusCode><httpStatus>OK</httpStatus>
<action>None</action><message>Adapter created successfully.
</message><messageLevel>INFO</messageLevel><results/></XmlResponse>
```

Get All Adapters

Retrieves the IDs(names) of all the adapters that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllAdapters* method, you can retrieve the IDs(names) of the adapters that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 13. GET Adapter request details.

Method	Resource	URI	Description
GET	adapter	/sspcmrest/sspcm/rest/adapter/ getAllAdapters	Gets the IDs(names) corresponding to the adapters defined with in the Sterling Secure Proxy Configuration Manager.

Table 14. Get All Adapters URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the adapters that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 15. Get All Adapters response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the adapters

Get All Adapters example

The following example shows the HTTP request.

HTTP Adapter request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/adapter/getAllAdapters
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Adapter response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <statusCode>0K</statusCode>
```

```

<action>None</action>
<messageLevel>INFO</messageLevel>
<objectsList>["CD_Adapter"]</objectsList>
<results/>
</XmlResponse>

```

Get Adapter

Retrieves an adapter from the Sterling Secure Proxy Configuration Manager.

With the `getAdapter/{adapterName}` method, you can retrieve a predefined adapter from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 16. GET Adapter request details.

Method	Resource	URI	Description
GET	adapter	/sspcmrest/sspcm/rest/adapter/getAdapter/{adapterName}	Gets the XML corresponding to the adapter defined with in the Sterling Secure Proxy Configuration Manager.

Table 17. GET Adapter URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
adapterName	Required	The name of the adapter that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 18. GET Adapter response body parameters.

Parameter	Description
XML	The XML corresponding to the adapter

GET Adapter example

The following example shows the HTTP request.

HTTP Adapter request

```

GET https://localhost:8443/sspcmrest/sspcm/rest/adapter/getAdapter/CD_Adapter
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML Adapter response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <results>
      <entry>
        <key>XML</key>
        <value><cdAdapterDef>
          <createdBy>admin</createdBy>
          <createdTimestamp>2014-04-15 11:40:01 AM</createdTimestamp>
          <description>
            <![CDATA[CD_Adapter_Description]]>&gt;</description>
          <encryptionLevel>true</encryptionLevel>
          <forceToUnlock>>false</forceToUnlock>
          <formatVer>10</formatVer>
          <lastModifiedBy>admin</lastModifiedBy>
          <lastModifiedTimestamp>2014-04-15 11:40:01 AM</lastModifiedTimestamp>
          <listenPort>25000</listenPort>
          <lockedBy>admin</lockedBy>
          <lockedTimestamp>2014-04-15 11:46:07 AM</lockedTimestamp>
          <logLevel>DEBUG</logLevel>
          <maxSessions>20</maxSessions>
          <name>CD_Adapter</name>
          <netmap>Connect_Direct_Netmap</netmap>
          <netmapKey>ccenterdev03.irv.ustx.ibm.com</netmapKey>
          <pingResponse>Ping</pingResponse>
          <properties>
            <property>
              <name>a</name>
              <value>11</value>
            </property>
            <property>
              <name>b</name>
              <value>2</value>
            </property>
          </properties>
          <protocol>cd</protocol>
          <psOutPortrange>10-20</psOutPortrange>
          <sessionTimeout>90</sessionTimeout>
          <standardRoute>ccenterdev03.irv.ustx.ibm.com</standardRoute>
          <status>locked</status>
          <urlRoutingType>standardRouting</urlRoutingType>
          <verStamp>1</verStamp>
        </cdAdapterDef>
      </value>
    </entry>
  </results>
</XmlResponse>

```

Update Adapter

Changes an adapter definition on the Sterling Secure Proxy Configuration Manager.

With the *updateAdapter/{adapterName}* method, you can update the existing adapter defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 19. Update Adapter request details.

Method	Resource	URI	Description
PUT	adapter	/sspcmrest/sspcm/rest/adapter/updateAdapter/{adapterName}	Updates the existing adapter with the XML provided

Table 20. Update Adapter URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
adapterName	Required	Updates the existing adapter with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update Adapter example

The following example shows the HTTP request.

HTTP Adapter request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/adapter/updateAdapter/CD_Adapter
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the adapter
```

XML Adapter response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Adapter definition CD_Adapter updated successfully</message>
    <messageLevel>INFO</messageLevel>
  </results>
</XmlResponse>
```

Delete Adapter

Removes an adapter from the Sterling Secure Proxy Configuration Manager.

With the *deleteAdapter/{adapterName}* method, you can delete an adapter on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 21. Delete Adapter request details.

Method	Resource	URI	Description
DELETE	adapter	/sspcmrest/sspcm/rest/adapter/deleteAdapter/{adapterName}	Deletes the adapter from the Sterling Secure Proxy Configuration Manager

Table 22. Delete Adapter URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
adapterName	Required	Removes an adapter from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete adapter example

The following example shows the HTTP request.

HTTP adapter request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/adapter/deleteAdapter/CD_Adapter
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML adapter response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Adapter definition CD_Adapter deleted successfully</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>
```

Start Adapter

Starts an adapter on the Sterling Secure Proxy Configuration Manager.

With the *startAdapter/{adapterName}* method, you can start an adapter on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 23. Start Adapter request details.

Method	Resource	URI	Description
POST	adapter	/sspcmrest/sspcm/rest/adapter/startAdapter/{adapterName}	Starts an adapter defined with in the Sterling Secure Proxy Configuration Manager

Table 24. Start Adapter request body parameters.

Parameter	Description
adapterName	The name of the adapter defined within the Sterling Secure Proxy Configuration Manager

Start Adapter example

The following example shows the HTTP request.

HTTP Adapter request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/adapter/
startAdapter/CD_Adapter
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

HTTP Adapter response

The following example shows the response.

```
{"Messages":{"HTTP_CODE":200,"HTTP_STATUS":"OK","MESSAGE_LEVEL":
"INFO","USER_ACTION":
"None","MESSAGE":"Successfully started adapter."}}
```

Stop Adapter

Stops an adapter on the Sterling Secure Proxy Configuration Manager.

With the *stopAdapter/{adapterName}* method, you can stop an adapter on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 25. Stop Adapter request details.

Method	Resource	URI	Description
POST	<i>adapter</i>	/sspcmrest/sspcm/rest/adapter/ stopAdapter/{adapterName}	Stops an adapter on the Sterling Secure Proxy Configuration Manager

Table 26. Stop Adapter request body parameters.

Parameter	Description
adapterName	The name of the adapter defined within Sterling Secure Proxy Configuration Manager

Stop Adapter example

The following example shows the HTTP request.

HTTP Adapter request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/adapter/stopAdapter/  
CD_Adapter  
"X-Authentication":  
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

HTTP Adapter response

The following example shows the response.

```
{"Messages":{"HTTP CODE":200,"HTTP STATUS":"OK","MESSAGE LEVEL":  
"INFO","USER ACTION":"None","MESSAGE":"Successfully stoped adapter."}}
```

Chapter 3. EA Server REST API

Use the EA Server API to manage EA Server objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The EA Server API applies to IBM Sterling Secure Proxy Configuration Management EA Server objects.

Create EA Server

Creates a EA Server on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create EA Server* method, you can create a EA Server on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 27. Create EA Server request details.

Method	Resource	URI	Description
POST	EA Server	/sspcmrest/sspcm/rest/eaServer/createEaServer	Creates a new EA Server on the Sterling Secure Proxy Configuration Manager

Create EA Server request

Table 28. Create EA Server request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new EA Server definition within Sterling Secure Proxy Configuration Manager

Create EA Server example

The following example shows the HTTP request.

HTTP EA Server request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/eaServer/createEaServer
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a EA Server
```

XML EA Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
```

```

<httpStatus>OK</httpStatus>
<action>None</action>
<message>eaServerDef MyEAServer12 created.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get EA Server

Retrieves a EA Server from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get EA Server/EA ServerName* method, you can retrieve a predefined EA Server on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 29. GET EA Server request details.

Method	Resource	URI	Description
Get	EA Server	/sspcmrest/sspcm/rest/eaServer/getEaServer/{EA Server Name}	Get the XML corresponding to the EA Server defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 30. GET EA Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
EA Server Name	Required	The name of the EA Server that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Get EA Server response body parameters

Table 31. Get EA Server response body parameters.

Parameter	Description
XML	The XML corresponding to the EA Server

Get EA Server example

The following example shows the HTTP request.

HTTP EA Server request

```

GET https://localhost:8443/sspcmrest/sspcm/rest/eaServer/getEaServer/EAServer2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML EA Server response

The following example shows the XML response.

```
<eaServerDef>
  <addresses><address>
    <nodeName>MyEAserver</nodeName>
    <host>10.20.30.40</host>
    <port>24444</port>
  </address>
</addresses>
  <createdBy>admin</createdBy>
  <createdTimestamp>2014-04-15 01:36:51 PM</createdTimestamp>
  <forceToUnlock>false</forceToUnlock>
  <formatVer>10</formatVer>
  <lastModifiedBy>admin</lastModifiedBy>
  <lastModifiedTimestamp>2014-04-15 01:36:51 PM</lastModifiedTimestamp>
  <lockedBy>admin</lockedBy>
  <lockedTimestamp>2014-04-15 01:38:31 PM</lockedTimestamp>
  <name>MyEAserver</name>
  <secureConnection>false</secureConnection>
  <serverAddress>10.20.30.40</serverAddress>
  <serverPort>24444</serverPort>
  <sslInfo>
  </sslInfo>
  <status>locked</status>
  <verStamp>1</verStamp>
</eaServerDef>
</eaServerDef>
```

Get All EA Server Names

Retrieves the names of all EA Server objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all EA Server names* method, you can retrieve the names of all EA Server objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 32. Get all EA Server names request details.

Method	Resource	URI	Description
GET	EA Server	/sspcmrest/sspcm/rest/eaServer/getAllEaServers	Get the names of all EA Server objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all EA Server example

The following example shows the HTTP request.

HTTP EA Server request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/eaServer/getAllEaServers
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML EA Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyEAserver", "MyEAserver12"]</objectsList>
  </results/>
</XmlResponse>
```

Update EA Server

Changes a EA Server object on the server.

With the *Update EA Server*/{EA ServerName} method, you can update the existing EA Server defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 33. Update EA Server request details.

Method	Resource	URI	Description
PUT	EA Server	/sspcmrest/sspcm/rest/eaServer/updateEaServer/{EA Server Name}	Updates the existing EA Server with the XML provided

Table 34. Update EA Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
EA Server Name	Required	Updates the existing EA Server with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT EA Server example

The following example shows the HTTP request.

HTTP EA Server request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/eaServer/updateEaServer/EaServer2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a EA Server
```

XML EA Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```

```

<message>eaServerDef MyEAServer12 updated.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Delete EA Server

Removes EA Server from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete EA Server*/*{EA ServerName}* method, you can delete a EA Server on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 35. Delete EA Server request details.

Method	Resource	URI	Description
DELETE	EA ServerName	/sspcmrest/sspcm/rest/eaServer/deleteEaServer/{EA Server Name}	Deletes the EA Server from the IBM Sterling Secure Proxy Configuration Manager

Table 36. Delete EA Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
EA Server Name	Required	Removes a EA Server from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete EA Server example

The following example shows the HTTP request.

HTTP EA Server request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/eaServer/deleteEaServer/EAServer2
```

XML EA Server response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <statusCodeText>OK</statusCodeText>
    <action>None</action>
    <message>eaServerDef MyEAServer12 updated.</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>

```

Chapter 4. Engine REST API

Use the Engine API to manage engines in the IBM Sterling Secure Proxy Configuration Management.

Note: The Engine API applies to IBM Sterling Secure Proxy Configuration Management engines.

Create Engine

Creates an engine on the Sterling Secure Proxy Configuration Manager.

With the *createEngine* method, you can create an engine on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 37. Create Engine request details.

Method	Resource	URI	Description
POST	<i>engine</i>	/sspcmrest/sspcm/rest/engine/createEngine	Creates a new engine on the Sterling Secure Proxy Configuration Manager

Table 38. Create Engine request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new engine definition within Sterling Secure Proxy Configuration Manager

Create Engine example

The following example shows the HTTP request.

HTTP Engine request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/engine/createEngine
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining an engine
```

XML Engine response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```

```

<message>eaServerDef MyEAServer12 updated.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get All Engines

Retrieves the IDs(names) of all the engines that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllEngines* method, you can retrieve the IDs(names) of the engines that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 39. GET Engine request details.

Method	Resource	URI	Description
GET	engine	/sspcmrest/sspcm/rest/engine/getAllEngines	Gets the IDs(names) corresponding to the engines defined with in the Sterling Secure Proxy Configuration Manager.

Table 40. Get All Engines URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the engines that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 41. Get All Engines response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the engines

getAllEngines example

The following example shows the HTTP request.

HTTP Engine request

```

GET https://localhost:8443/sspcmrest/sspcm/rest/engine/getAllEngines
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML Engine response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyEngine"]</objectsList>
  </results/>
</XmlResponse>
```

Get Engine

Retrieves an engine definition from the Sterling Secure Proxy Configuration Manager.

With the `getEngine/{engineName}` method, you can retrieve a predefined engine definition from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 42. GET Engine request details.

Method	Resource	URI	Description
GET	engine	/sspcmrest/sspcm/rest/engine/getEngine/{engineName}	Gets the XML corresponding to the engine defined with in the Sterling Secure Proxy Configuration Manager.

Table 43. GET Engine URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
engineName	Required	The name of the engine that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 44. GET Engine response body parameters.

Parameter	Description
XML	The XML corresponding to the engine

GET Engine example

The following example shows the HTTP request.

HTTP Engine request

GET https://localhost:8443/sspcmrest/sspcm/rest/engine/getEngine/MyEngine
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"

XML Engine response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <results>
      <entry>
        <key>XML</key>
        <value><engineDef>
          <certicomLogging>ERROR</certicomLogging>
          <createdBy>admin</createdBy>
          <createdTimestamp>2014-04-15 11:40:12 AM</createdTimestamp>
          <debugLogging>ERROR</debugLogging>
          <forceToUnlock>>false</forceToUnlock>
          <formatVer>10</formatVer>
          <host>ontarget.irv.ustx.ibm.com</host>
          <lastModifiedBy>admin</lastModifiedBy>
          <lastModifiedTimestamp>2014-04-15 11:40:12 AM</lastModifiedTimestamp>
          <localPSLogging>ERROR</localPSLogging>
          <lockedBy>admin</lockedBy>
          <lockedTimestamp>2014-04-15 12:14:44 PM</lockedTimestamp>
          <name>MyEngine</name>
          <port>55250</port>
          <status>locked</status>
          <userStore>defUserStore</userStore>
          <verStamp>1</verStamp>
        </engineDef>
      </value>
    </entry>
  </results>
</XmlResponse>
```

Update Engine

Changes a engine definition on the Sterling Secure Proxy Configuration Manager.

With the `updateEngine/{engineName}` method, you can update the existing engine defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 45. Update Engine request details.

Method	Resource	URI	Description
PUT	engine	/sspcmrest/sspcm/rest/engine/ updateEngine/{engineName}	Updates the existing engine with the XML provided

Table 46. Update Engine URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
engineName	Required	Updates the existing engine with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update Engine example

The following example shows the HTTP request.

HTTP Engine request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/engine/updateEngine/MyEngine
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the engine
```

XML Engine response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Engine definition MyEngine updated successfully</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Delete Engine

Removes an engine from the Sterling Secure Proxy Configuration Manager.

With the *deleteEngine/{engineName}* method, you can delete an engine on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 47. Delete Engine request details.

Method	Resource	URI	Description
DELETE	engine	/sspcmrest/sspcm/rest/engine/deleteEngine/{engineName}	Deletes the engine from the Sterling Secure Proxy Configuration Manager

Table 48. Delete Engine URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
engineName	Required	Removes an engine from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete Engine example

The following example shows the HTTP request.

HTTP Engine request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/engine/deleteEngine/MyEngine
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Engine response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Engine definition MyEngine deleted successfully</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Chapter 5. KeyStore REST API

Use the KeyStore API to manage key stores with in the IBM Sterling Secure Proxy Configuration Management.

Note: The KeyStore API applies to IBM Sterling Secure Proxy Configuration Management key stores.

Create KeyStore

Creates a keyStore on the Sterling Secure Proxy Configuration Manager.

With the *createKeyStore* method, you can create a keyStore on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 49. Create KeyStore request details.

Method	Resource	URI	Description
POST	<i>keyStore</i>	/sspcmrest/sspcm/rest/keyStore/createKeyStore	Creates a new keyStore on the Sterling Secure Proxy Configuration Manager

Table 50. Create KeyStore request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new keyStore definition within Sterling Secure Proxy Configuration Manager

Create KeyStore example

The following example shows the HTTP request.

HTTP KeyStore request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/keyStore/createKeyStore
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a keyStore
```

XML KeyStore response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode><httpStatus>OK</httpStatus><action>None</action>
<message>Key store created successfully.</message><messageLevel>INFO</messageLevel>
<results/></XmlResponse>
```

Get KeyStore

Retrieves a keyStore from the Sterling Secure Proxy Configuration Manager.

With the `getKeyStore/{keyStoreName}` method, you can retrieve a predefined keyStore from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 51. GET KeyStore request details.

Method	Resource	URI	Description
GET	keyStore	/sspcmrest/sspcm/rest/keyStore/getKeyStore/{keyStoreName}	Gets the XML corresponding to the keyStore defined with in the Sterling Secure Proxy Configuration Manager.

Table 52. GET KeyStore URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
keyStoreName	Required	The name of the keyStore that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 53. GET KeyStore response body parameters.

Parameter	Description
XML	The XML corresponding to the keyStore

GET KeyStore example

The following example shows the HTTP request.

HTTP KeyStore request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/keyStore/getKeyStore/NM_Trusted
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML KeyStore response

The following example shows the XML response.

```
<keyStoreDef>
<createdBy>admin</createdBy>
<createdTimestamp>2014-04-15 11:40:09 AM</createdTimestamp>
<description>
<![CDATA[NM_Trusted]]&gt;</description>
<elements>
```



```

01M3efHZ/Wm0UAX5jognvVnEJ+AftNI txcIuPNR1Nk6rxbt6hZs6SLK1wYTR469z
P5ciysJgRICYd1tC08prkJPdJ2giQ8go4JW6MgIf+vXURaThPekt0h0qFDFQWdSp
ax6QfJBuBD3vx8S/uSJtD1qNpyzTKA9gDXi feA+UX8Ez3M17cQRZYmBLb2UdEcgp
jyQ+cZ7m8gA=
-----END CERTIFICATE-----
>
]]&gt;</keyData>
<keyInHSM>false</keyInHSM>
<keyType>x509Cert</keyType>
<name>Marshall Test</name>
<serialNum>0</serialNum>
<validFrom>1383942802000</validFrom>
<validTo>1470342802000</validTo>
<verStamp>0</verStamp>
<versionNum>0</versionNum>
</keyDef>
</elements>
<forceToUnlock>true</forceToUnlock>
<formatVer>10</formatVer>
<lastModifiedBy>admin</lastModifiedBy>
<lastModifiedTimestamp>2014-04-15 11:40:14 AM</lastModifiedTimestamp>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 12:37:23 PM</lockedTimestamp>
<name>NM_Trusted</name>
<status>Locked</status>
<type>x509CertStore</type>
<verStamp>5</verStamp>
</keyStoreDef>
<name>NM_Trusted</name>
<status>Locked</status>
<type>x509CertStore</type>
<verStamp>5</verStamp>

```

Get All KeyStores

Retrieves the IDs(names) of all the keyStores that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllKeyStores* method, you can retrieve the IDs(names) of the keyStores that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 54. Get All KeyStores request details.

Method	Resource	URI	Description
GET	keyStore	/sspcmrest/sspcm/rest/keyStore/ getAllKeyStores	Gets the IDs(names) corresponding to the keyStores defined with in the Sterling Secure Proxy Configuration Manager.

Table 55. Get All KeyStores URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the keyStores that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 56. Get All KeyStores response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the keyStores

getAllKeyStores example

The following example shows the HTTP request.

JSON KeyStore request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/keyStore/getAllKeyStores
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML KeyStore response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["NM_Trusted","df1tCMKeyStore","df1tCMTrustStore","df1tKeyStore",
"df1tTrustStore"]</objectsList>
    <results/>
  </XmlResponse>
```

Add KeyDef Entry

Adds a new keyDef entry to an existing key store on the Sterling Secure Proxy Configuration Manager.

With the *createKeyDefEntries/{keyStoreName}* method, you can add a new keyDef entry(ies) to an existing key store, on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 57. Add KeyDef Entry request details.

Method	Resource	URI	Description
POST	keyStore	/sspcmrrest/sspcm/rest/keyStore/createKeyDefEntries/{keyStoreName}	Creates a new keyDef entry within a predefined key store on the Sterling Secure Proxy Configuration Manager

Table 58. Add KeyDef Entry request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new keyDef entry definition within a predefined key store in Sterling Secure Proxy Configuration Manager

Add KeyDef Entry Entry example

The following example shows the KeyStore request.

HTTP KeyStore request

```
POST https://localhost:8443/sspcmrrest/sspcm/rest/keyStore/
createKeyDefEntries/NM_Trusted
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a new keyDef entry definition
Note:The XML corresponding to defining keyDef entries should
have an XML root element of keyDef.
Please refer to the Sample.java program in the sdk folder, for more information.
```

XML KeyStore response

The following example shows the XML KeyStore response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode><httpStatus>OK</httpStatus><action>None</action>
<message>Certificate key created successfully.</message><messageLevel>
INFO</messageLevel><results/>
```

Modify KeyDef Entry

Modifies a keyDef entry in an existing key store on the Sterling Secure Proxy Configuration Manager.

With the *modifyKeyDefEntries/{keyStoreName}* method, you can modify a keyDef entry in an existing key store, on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 59. Modify KeyDef Entry request details.

Method	Resource	URI	Description
PUT	keyStore	/sspcmrest/sspcm/rest/keyStore/modifyKeyDefEntries/{keyStoreName}	Modifies a keyDef entry within a predefined keyStore on the Sterling Secure Proxy Configuration Manager

Table 60. Modify KeyDef Entry request body parameters.

Parameter	Description
XML	The XML corresponding to modifying an existing keyDef entry definition within a predefined key store in Sterling Secure Proxy Configuration Manager

Modify KeyDef Entry Entry example

The following example shows the KeyStore request.

HTTP Netmap request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/keyStore/
modifyKeyDefEntries/NM_Trusted
```

```
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
```

XML corresponding to modifying the keyDef entry definition

Note:The XML corresponding to defining keyDef entries should have an XML root element of keyDef.

Please refer to the Sample.java program in the sdk folder, for more information.

XML KeyStore response

The following example shows the XML KeyStore response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode><httpStatus>OK</httpStatus><action>None</action>
<message>KeyDef entries modified successfully</message>
<messageLevel>INFO</messageLevel>
<results/></XmlResponse>
```

Update KeyStore

Changes a keyStore definition on the Sterling Secure Proxy Configuration Manager.

With the *updateKeyStore/{keyStoreName}* method, you can update the existing keyStore defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 61. Update KeyStore request details.

Method	Resource	URI	Description
PUT	keyStore	/sspcmrest/sspcm/rest/keyStore/updateKeyStore/{keyStoreName}	Updates the existing keyStore with the XML provided

Table 62. Update KeyStore URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
keyStoreName	Required	Updates the existing keyStore with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update KeyStore example

The following example shows the HTTP request.

HTTP KeyStore request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/keyStore/updateKeyStore/CD_KeyStore
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the keyStore
```

XML KeyStore response

The following example shows the XML KeyStore response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>KeyStore definition NM_Trusted updated successfully</message>
    <messageLevel>INFO</messageLevel>
  </results>
</XmlResponse>
```

Delete KeyStore

Removes a keyStore from the Sterling Secure Proxy Configuration Manager.

With the `deleteKeyStore/{keyStoreName}` method, you can delete a keyStore on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 63. Delete KeyStore request details.

Method	Resource	URI	Description
DELETE	keyStore	/sspcmrst/sspcmr/rest/keyStore/deleteKeyStore/{keyStoreName}	Deletes the keyStore from the Sterling Secure Proxy Configuration Manager

Table 64. Delete KeyStore URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
keyStoreName	Required	Removes a keyStore from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete KeyStore example

The following example shows the HTTP request.

HTTP KeyStore request

```
DELETE https://localhost:8443/sspcmrst/sspcmr/rest/keyStore/deleteKeyStore/NM_Trusted
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML KeyStore response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
  <statusCode>200</statusCode>
  <httpStatus>OK</httpStatus>
  <action>None</action>
  <message>KeyStore definition NM_Trusted deleted successfully</message>
  <messageLevel>INFO</messageLevel>
  <results/>
</XmlResponse>
```

Delete KeyDef Entry

Deletes a keyDef entry(ies) from an existing key store on the Sterling Secure Proxy Configuration Manager.

With the *deleteKeyDefEntries*{keyStoreName} method, you can delete a keyDef entry from an existing key store on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 65. Delete KeyDef Entry request details.

Method	Resource	URI	Description
PUT	keyStore	/sspcmrrest/sspcmr/rest/keyStore/deleteKeyDefEntries/{keyStoreName}/{keyDefEntryName}	Deletes an existing keyDef entry from an existing key store on the Sterling Secure Proxy Configuration Manager

Table 66. Delete KeyDef Entry request body parameters.

Parameter	Description
keyStoreName	The name of the keyStore from which the node entry needs to be removed.
keyDefEntryName	The name of the keyDef entry that needs to be removed.

Delete KeyDef Entry Entry example

The following example shows the HTTP request.

HTTP Netmap request

```
PUT https://localhost:8443/sspcmrrest/sspcmr/rest/
keyStore/deleteKeyDefEntries/NM_Trusted
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/json"
[
{"name": "MyCert"}
]
```

XML Netmap response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse><statusCode>200</statusCode>
<statusCode>OK</statusCode>
<action>None</action><message>KeyDef entries deleted successfully
</message>
<messageLevel>INFO</messageLevel><objectsList>MyCert_Again</objectsList>
<results/></XmlResponse>
```

Chapter 6. Netmap REST API

Use the Netmap API to manage netmaps in the IBM Sterling Secure Proxy Configuration Management.

Note: The Netmap API applies to IBM Sterling Secure Proxy Configuration Management netmaps.

Create Netmap

Creates a netmap on the Sterling Secure Proxy Configuration Manager.

With the *createNetmap* method, you can create a netmap on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 67. Create Netmap request details.

Method	Resource	URI	Description
POST	<i>netmap</i>	/sspcmrest/sspcm/rest/netmap/createNetmap	Creates a new netmap on the Sterling Secure Proxy Configuration Manager

Table 68. Create Netmap request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new netmap definition within Sterling Secure Proxy Configuration Manager

Create Netmap example

The following example shows the HTTP request.

HTTP Netmap request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/netmap/createNetmap
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a netmap
```

XML Netmap response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <statusCode>OK</statusCode>
    <action>None</action>
```

```

<message>Netmap created successfully.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get Netmap

Retrieves a netmap from the Sterling Secure Proxy Configuration Manager.

With the `getNetmap/{netmapName}` method, you can retrieve a predefined netmap from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 69. GET Netmap request details.

Method	Resource	URI	Description
GET	netmap	/sspcmrest/sspcm/rest/netmap/getNetmap/{netmapName}	Gets the XML corresponding to the netmap defined with in the Sterling Secure Proxy Configuration Manager.

Table 70. GET Netmap URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
netmapName	Required	The name of the netmap that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 71. GET Netmap response body parameters.

Parameter	Description
XML	The XML corresponding to the netmap

GET Netmap example

The following example shows the HTTP request.

HTTP Netmap request

```

GET https://localhost:8443/sspcmrest/sspcm/rest/netmap/
getNetmap/Connect_Direct_Netmap
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML Netmap response

The following example shows the XML response.

```
<netmapDef>
  <createdBy>admin</createdBy>
  <createdTimestamp>2014-04-15 11:40:03 AM
</createdTimestamp>
  <description>
<![CDATA[FTP_Netmap]]></description>
  <forceToUnlock>true</forceToUnlock>
  <inboundNodes><inboundNodeDef>
  <description>
<![CDATA[Inbound]]></description>
  <forceToUnlock>false</forceToUnlock>
  <logLevel>DEBUG</logLevel>
  <name>Inbound</name>
  <peerAddressPattern>*</peerAddressPattern>
  <policyId>FTP_Policy</policyId>
  <secureConnection>false</secureConnection>
  <verStamp>1</verStamp>
</inboundNodeDef>
</inboundNodes>
  <lastModifiedBy>admin</lastModifiedBy>
  <lastModifiedTimestamp>2014-04-15 11:40:03 AM
</lastModifiedTimestamp>
  <lockedBy>admin</lockedBy>
  <lockedTimestamp>2014-04-15 01:26:07 PM</lockedTimestamp>
  <name>FTP_Netmap</name>
  <outboundNodes><outboundNodeDef>
  <addresses><address>
  <nodeName>Outbound_Node_Name</nodeName>
  <host>10.20.30.40</host>
  <port>1663</port>
</address>
</addresses>
  <forceToUnlock>false</forceToUnlock>
  <logLevel>DEBUG</logLevel>
  <name>Outbound_Node_Name</name>
  <secureConnection>false</secureConnection>
  <validDestination>10.20.30.40</validDestination>
  <validDestinationPort>1663</validDestinationPort>
  <verStamp>1</verStamp>
</outboundNodeDef>
</outboundNodes>
  <protocol>ftp</protocol>
</netmapDef>
```

Get All Netmaps

Retrieves the IDs(names) of all the netmaps that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllNetmaps* method, you can retrieve the IDs(names) of the netmaps that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 72. GET Netmap request details.

Method	Resource	URI	Description
GET	netmap	/sspcmrest/sspcm/rest/netmap/getAllNetmaps	Gets the IDs(names) corresponding to the netmaps defined with in the Sterling Secure Proxy Configuration Manager.

Table 73. GET Netmap URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the netmaps that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 74. Get All Netmaps response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the netmaps

getAllNetmaps example

The following example shows the HTTP request.

HTTP Netmap request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/netmap/getAllNetmaps
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Netmap response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["Connect_Direct_Netmap", "FTP_Netmap"]</objectsList>
  </results/>
</XmlResponse>
```

Add Netmap Node Entry

Adds a new netmap node entry to an existing netmap on the Sterling Secure Proxy Configuration Manager.

With the `addNetmapNodes/{netmapName}` method, you can add a new netmap node entry to an existing netmap, on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 75. Add Netmap Node Entry request details.

Method	Resource	URI	Description
POST	<i>netmap</i>	/sspcmrest/sspcm/rest/netmap/addNetmapNodes/{netmapName}	Creates a new netmap entry within an existing netmap on the Sterling Secure Proxy Configuration Manager

Table 76. Add Netmap Node Entry request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new netmap node entry definition within an existing netmap on Sterling Secure Proxy Configuration Manager

Add Netmap Node Entry example

The following example shows the HTTP request.

HTTP Netmap request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/netmap/
addNetmapNodes/Connect_Direct_Netmap
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a new netmap node entry definition
Note:The XML corresponding to defining netmap nodes
should have an XML root element of either InboundNodes or OutboundNodes.
Please refer to the Sample.java program in the sdk folder,
for more information.
```

XML Netmap response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode><statusCode>OK</statusCode><action>None</action>
<message>Netmap node entry added successfully</message><messageLevel>
INFO</messageLevel></results/></XmlResponse>
```

Modify Netmap Node Entry

Modifies a netmap node entry in an existing netmap on the Sterling Secure Proxy Configuration Manager.

With the `modifyNetmapNodes/{netmapName}` method, you can modify an existing netmap node entry in an existing netmap, on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 77. Modify Netmap Node Entry request details.

Method	Resource	URI	Description
PUT	netmap	/sspcmrst/sspcm/rest/netmap/modifyNetmapNodes/{netmapName}	Modifies a netmap node entry on the Sterling Secure Proxy Configuration Manager

Table 78. Modify Netmap Node Entry request body parameters.

Parameter	Description
XML	The XML corresponding to modifying an existing netmap node entry definition within Sterling Secure Proxy Configuration Manager

Modify Netmap Node Entry example

The following example shows the HTTP request.

HTTP Netmap request

```
PUT https://localhost:8443/sspcmrst/sspcm/rest/netmap/modifyNetmapNodes/
Connect_Direct_Netmap
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
```

XML corresponding to modifying a netmap node entry definition

Note: The XML corresponding to modifying the netmap nodes should have an XML root

element of either InboundNodes or OutboundNodes.

Please refer to the Sample.java program in the sdk folder, for more information

XML Netmap response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode>
<statusCode>OK</statusCode><action>None</action><message>Netmap node
entry modified successfully
</message><messageLevel>INFO</messageLevel><results><entry>
<key>XML</key><value>
<?xml version="1.0"
encoding="UTF-8"?>
<netmapDef><createdBy>admin</createdBy><createdTimestamp>2014-04-15 11:40:00 AM
</createdTimestamp>
<forceToUnlock>true</forceToUnlock><formatVer>10</formatVer><inboundNodes>
<inboundNodeDef>
<addresses><address><nodeName>ccenterdev03.irv.ustx.ibm.com</nodeName><host>
ccenterdev03.irv.ustx.ibm.com</host><port>4163</port></address>
</addresses><description>
<![CDATA[
cccenterdev03.irv.ustx.ibm.com]]&gt;</description><forceToUnlock>>false
</forceToUnlock>
<logLevel>NONE</logLevel><name>ccenterdev03.irv.ustx.ibm.com</name>
<outboundACLNodes>
<outboundACLNode>ccenterdev03.irv.ustx.ibm.com</outboundACLNode>
</outboundACLNodes>
<peerAddressPattern>ccenterdev03.irv.ustx.ibm.com</peerAddressPattern>
```

```

<policyId>CD_Policy</policyId>
<port>4163</port><routingName>ccenterdev03.irv.ustx.ibm.com</routingName>
<secureConnection>>true</secureConnection>
<serverAddress>ccenterdev03.irv.ustx.ibm.com</serverAddress>
<sslInfo><cipherSuites>
<cipherSuite>TLS_RSA_WITH_AES_256_CBC_SHA</cipherSuite>
<cipherSuite>TLS_RSA_WITH_AES_128_CBC_SHA</cipherSuite>
<cipherSuite>TLS_RSA_WITH_3DES_EDE_CBC_SHA</cipherSuite>
</cipherSuites><clientAuthenticationCD>>false</clientAuthenticationCD>
<keyCertName>sspDefaultKeyCert</keyCertName><keyStoreName>
dfлтKeyStore</keyStoreName>
<protocol>SSL3-TLS1.2</protocol><trustStoreName>dfлтTrustStore
</trustStoreName>
<trustedCertNames><trustedCertName>sspDefaultTrustedCert</trustedCertName>
</trustedCertNames>
<verifyCommonName>>false</verifyCommonName></sslInfo>
<tcpTimeout>90</tcpTimeout><verStamp>1</verStamp>
</inboundNodeDef><inboundNodeDef><addresses><address>N1</nodeName>
<host>ccenterdev03.irv.ustx.ibm.com</host><port>4163</port>
</address></addresses>
<description><![CDATA[N1_modified]]&gt;</description>
<forceToUnlock>>false</forceToUnlock>
<logLevel>NONE</logLevel><name>N1</name><outboundACLNodes>
<outboundACLNode>ccenterdev03.irv.ustx.ibm.com
</outboundACLNode></outboundACLNodes><peerAddressPattern>
ccenterdev03.irv.ustx.ibm.com
</peerAddressPattern>
<policyId>CD_Policy</policyId><port>4163</port><routingName>N1_modified
</routingName>
<secureConnection>>true</secureConnection><serverAddress>
ccenterdev03.irv.ustx.ibm.com
</serverAddress>
<sslInfo><cipherSuites><cipherSuite>TLS_RSA_WITH_AES_256_CBC_SHA</cipherSuite>
</cipherSuites>
<clientAuthenticationCD>>false</clientAuthenticationCD><keyCertName>
sspDefaultKeyCert
</keyCertName>
<keyStoreName>dfлтKeyStore</keyStoreName><protocol>TLS1-ONLY</protocol>
<trustStoreName>dfлтTrustStore</trustStoreName><trustedCertNames>
<trustedCertName>sspDefaultTrustedCert</trustedCertName></trustedCertNames>
<verifyCommonName>>false</verifyCommonName></sslInfo>
<tcpTimeout>90</tcpTimeout>
<verStamp>0</verStamp></inboundNodeDef><inboundNodeDef><addresses><address>
<nodeName>N2</nodeName><host>ccenterdev03.irv.ustx.ibm.com</host>
<port>4163</port>
</address></addresses><description><![CDATA[
ccenterdev03.irv.ustx.ibm.com]]&gt;</description><forceToUnlock>>false
</forceToUnlock>
<logLevel>NONE</logLevel><name>N2</name><outboundACLNodes>
<outboundACLNode>ccenterdev03.irv.ustx.ibm.com</outboundACLNode>
</outboundACLNodes><peerAddressPattern>
ccenterdev03.irv.ustx.ibm.com</peerAddressPattern>
<policyId>CD_Policy</policyId><port>4163</port><routingName>N2</routingName>
<secureConnection>>true</secureConnection>
<serverAddress>ccenterdev03.irv.ustx.ibm.com</serverAddress>
<sslInfo><cipherSuites><cipherSuite>TLS_RSA_WITH_AES_256_CBC_SHA</cipherSuite>
<cipherSuite>TLS_RSA_WITH_AES_128_CBC_SHA</cipherSuite>
<cipherSuite>TLS_RSA_WITH_3DES_EDE_CBC_SHA</cipherSuite>
<cipherSuite>TLS_RSA_WITH_RC4_128_MD5</cipherSuite></cipherSuites>
<clientAuthenticationCD>>false</clientAuthenticationCD>
<keyCertName>sspDefaultKeyCert</keyCertName>
<keyStoreName>dfлтKeyStore</keyStoreName><protocol>TLS1-ONLY</protocol>
<trustStoreName>dfлтTrustStore</trustStoreName><trustedCertNames>
<trustedCertName>sspDefaultTrustedCert</trustedCertName></trustedCertNames>
<verifyCommonName>>false</verifyCommonName></sslInfo>
<tcpTimeout>90</tcpTimeout>
<verStamp>0</verStamp></inboundNodeDef></inboundNodes>

```

```

<lastModifiedBy>admin
</lastModifiedBy><lastModifiedTimestamp>2014-04-15 11:40:05 AM
</lastModifiedTimestamp>
<lockedBy>admin</lockedBy><lockedTimestamp>2014-04-15 11:40:06 AM
</lockedTimestamp>
<name>Connect_Direct_Netmap</name><outboundACLRequired>
false</outboundACLRequired><protocol>cd</protocol>
<status>locked</status><verStamp>2</verStamp></netmapDef>
</value></entry></results>
</XmlResponse>
</XmlResponse>

```

Update Netmap

Changes a netmap definition on the Sterling Secure Proxy Configuration Manager.

With the `updateNetmap/{netmapName}` method, you can update the existing netmap defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 79. Update Netmap request details.

Method	Resource	URI	Description
PUT	netmap	/sspcmrest/sspcm/rest/netmap/updateNetmap/{netmapName}	Updates the existing netmap with the XML provided

Table 80. Update Netmap URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
netmapName	Required	Updates the existing netmap with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update Netmap example

The following example shows the HTTP request.

HTTP Netmap request

```

PUT https://localhost:8443/sspcmrest/sspcm/rest/netmap/
updateNetmap/Connect_Direct_Netmap
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the netmap

```

XML Netmap response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
<statusCode>200</statusCode>
<statusCode>OK</statusCode>
<action>None</action>

```



```

<message>Netmap definition FTP_Netmap12 updated successfully</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Delete Netmap

Removes a netmap from the Sterling Secure Proxy Configuration Manager.

With the `deleteNetmap/{netmapName}` method, you can delete a netmap on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 81. Delete Netmap request details.

Method	Resource	URI	Description
DELETE	netmap	/sspcmrst/sspcm/rest/netmap/deleteNetmap/{netmapName}	Deletes the netmap from the Sterling Secure Proxy Configuration Manager

Table 82. Delete Netmap URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
netmapName	Required	Removes a netmap from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete Netmap example

The following example shows the HTTP request.

HTTP Netmap request

```

DELETE https://localhost:8443/sspcmrst/sspcm/rest/netmap/deleteNetmap/Connect_Direct_Netmap
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML Netmap response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
  <statusCode>200</statusCode>
  <statusCodeText>OK</statusCodeText>
  <action>None</action>
  <message>Netmap definition FTP_Netmap12 deleted successfully</message>
  <messageLevel>INFO</messageLevel>
  <results/>
</XmlResponse>

```

Delete Netmap Node Entry

Deletes a netmap on the Sterling Secure Proxy Configuration Manager.

With the `deleteNetmapNodes/{netmapName}` method, you can delete a netmap node entry from an existing netmap on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 83. Delete Netmap Node Entry request details.

Method	Resource	URI	Description
DELETE	netmap	/sspcmrest/sspcm/rest/netmap/ /deleteNetmapNodes/{netmapName}/ {netmapEntryName}	Deletes an existing netmap node entry from an existing netmap on the Sterling Secure Proxy Configuration Manager

Table 84. Delete Netmap Node Entry request body parameters.

Parameter	Description
netmapName	The name of the netmap from which the node entry needs to be removed.
netmapEntryName	The name of the netmap node entry that needs to be removed.

Delete Netmap Node Entry example

The following example shows the HTTP request.

HTTP Netmap request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/netmap/  
deleteNetmapNodes/Connect_Direct_Netmap  
"X-Authentication":  
"61504f4a524b48532b776a3467643733374b526368513d3d"  
"Content-Type": "application/json"  
[  
{"nodeName": " copyOfNode_Name "}  
]
```

XML Netmap response

The following example shows the XML response.

```
netmapEntryName<?xml version="1.0" encoding="UTF-8"  
standalone="yes"?>  
<XmlResponse><statusCode>200</statusCode><httpStatus>OK  
</httpStatus><action>  
None</action><message>Netmap entries deleted
```

```
successfully</message>
<messageLevel>INFO</messageLevel><objectsList>N2
</objectsList><results/>
</XmlResponse>
```

Chapter 7. Password Policy REST API

Use the Password Policy API to manage Password Policy objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The Password Policy API applies to IBM Sterling Secure Proxy Configuration Management Password Policy objects.

Create Password Policy

Creates a Password Policy on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create Password Policy* method, you can create a Password Policy on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 85. Create Password Policy request details.

Method	Resource	URI	Description
POST	Password Policy	/sspcmrest/sspcm/rest/passwordPolicy/createPasswordPolicy	Creates a new Password Policy on the Sterling Secure Proxy Configuration Manager

Create Password Policy request

Table 86. Create Password Policy request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new Password Policy definition within Sterling Secure Proxy Configuration Manager

Create Password Policy example

The following example shows the HTTP request.

HTTP Password Policy request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/passwordPolicy/createPasswordPolicy
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Password Policy
```

XML Password Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><XmlResponse>
<statusCode>200</statusCode><httpStatus>OK</httpStatus><action>None</action>
<message>passwordPolicyDef PasswordPolicy2 created.</message><messageLevel>
INFO</messageLevel></results/></XmlResponse>
```

Get Password Policy

Retrieves a Password Policy from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get Password Policy/Password PolicyName* method, you can retrieve a predefined Password Policy on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 87. GET Password Policy request details.

Method	Resource	URI	Description
Get	Password Policy	/sspcmrest/sspcm/rest/passwordPolicy/getPasswordPolicy/{Password Policy Name}	Get the XML corresponding to the Password Policy defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 88. GET Password Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Password Policy Name	Required	The name of the Password Policy that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 . _ -

Get Password Policy response body parameters

Table 89. Get Password Policy response body parameters.

Parameter	Description
XML	The XML corresponding to the Password Policy

Get Password Policy example

The following example shows the HTTP request.

HTTP Password Policy request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/passwordPolicy/
getPasswordPolicy/PasswordPolicy2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Password Policy response

The following example shows the XML response.

```
<passwordPolicyDef>
<createdTimestamp>2007-11-14 01:03:39 AM</createdTimestamp>
<daysValid>0</daysValid>
<forceToUnlock>>false</forceToUnlock>
<formatVer>1</formatVer>
<keptInHistory>5</keptInHistory>
<lastModifiedTimestamp>2007-11-14 01:03:39 AM</lastModifiedTimestamp>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 12:53:08 PM</lockedTimestamp>
<maxLength>28</maxLength>
<minLength>6</minLength>
<mustContainSpecialCharacters>>false</mustContainSpecialCharacters>
<name>defPasswordPolicy</name>
<requiresChange>>false</requiresChange>
<status>locked</status>
</passwordPolicyDef>
<verStamp>1</verStamp>
</passwordPolicyDef>
```

Get All Password Policy Names

Retrieves the names of all Password Policy objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all Password Policy names* method, you can retrieve the names of all Password Policy objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 90. Get all Password Policy names request details.

Method	Resource	URI	Description
GET	Password Policy	/sspcmrest/sspcm/rest/passwordPolicy/getAllPasswordPolicies	Get the names of all Password Policy objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all Password Policy example

The following example shows the HTTP request.

HTTP Password Policy request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/passwordPolicy/
getAllPasswordPolicies
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Password Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["defPasswordPolicy"]</objectsList>
  </results>
</XmlResponse>
```

Update Password Policy

Changes a Password Policy object on the server.

With the *Update Password Policy*{Password PolicyName} method, you can update the existing Password Policy defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 91. Update Password Policy request details.

Method	Resource	URI	Description
PUT	Password Policy	/sspcmrest/sspcm/rest/passwordPolicy/updatePasswordPolicy/{Password Policy Name}	Updates the existing Password Policy with the XML provided

Table 92. Update Password Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Password Policy Name	Required	Updates the existing Password Policy with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT Password Policy example

The following example shows the HTTP request.

HTTP Password Policy request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/
passwordPolicy/updatePasswordPolicy/PasswordPolicy2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Password Policy
```

XML Password Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```



```

<message>passwordPolicyDef MyPasswordPolicy updated.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Delete Password Policy

Removes Password Policy from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete Password Policy*/{Password PolicyName} method, you can delete a Password Policy on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 93. Delete Password Policy request details.

Method	Resource	URI	Description
DELETE	Password PolicyName	/sspcmrst/sspcm/rest/passwordPolicy/deletePasswordPolicy/{Password Policy Name}	Deletes the Password Policy from the IBM Sterling Secure Proxy Configuration Manager

Table 94. Delete Password Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Password Policy Name	Required	Removes a Password Policy from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete Password Policy example

The following example shows the HTTP request.

HTTP Password Policy request

```
DELETE https://localhost:8443/sspcmrst/sspcm/rest/passwordPolicy/deletePasswordPolicy/PasswordPolicy2
```

XML Password Policy response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>passwordPolicyDef MyPasswordPolicy deleted.</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>

```

Chapter 8. Perimeter Server REST API

Use the Perimeter Server API to manage Perimeter Server objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The Perimeter Server API applies to IBM Sterling Secure Proxy Configuration Management Perimeter Server objects.

Create Perimeter Server

Creates a Perimeter Server on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create Perimeter Server* method, you can create a Perimeter Server on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 95. Create Perimeter Server request details.

Method	Resource	URI	Description
POST	Perimeter Server	/sspcmrest/sspcm/rest/PerimeterServer/createPerimeterServer	Creates a new Perimeter Server on the Sterling Secure Proxy Configuration Manager

Create Perimeter Server request

Table 96. Create Perimeter Server request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new Perimeter Server definition within Sterling Secure Proxy Configuration Manager

Create Perimeter Server example

The following example shows the HTTP request.

HTTP Perimeter Server request

```
POST https://localhost:8443/sspcmrest/sspcm/
rest/PerimeterServer/createPerimeterServer
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Perimeter Server
```

XML Perimeter Server response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>perimeterServerDef
MyLessPerimeterServer2 created.</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>

```

Get Perimeter Server

Retrieves a Perimeter Server from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get Perimeter Server/Perimeter ServerName* method, you can retrieve a predefined Perimeter Server on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 97. GET Perimeter Server request details.

Method	Resource	URI	Description
Get	Perimeter Server	/sspcmrest/sspcm/rest/PerimeterServer/getPerimeterServer/{Perimeter Server Name}	Get the XML corresponding to the Perimeter Server defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 98. GET Perimeter Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Perimeter Server Name	Required	The name of the Perimeter Server that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Get Perimeter Server response body parameters

Table 99. Get Perimeter Server response body parameters.

Parameter	Description
XML	The XML corresponding to the Perimeter Server

Get Perimeter Server example

The following example shows the HTTP request.

HTTP Perimeter Server request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/PerimeterServer/
getPerimeterServer/LessSecureZone1
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Perimeter Server response

The following example shows the XML response.

```
<perimeterServerDef>
<createdBy>admin</createdBy>
<createdTimestamp>2014-04-15 01:00:16 PM</createdTimestamp>
<dnsResolution>>false</dnsResolution>
<forceToUnlock>>false</forceToUnlock>
<formatVer>10</formatVer>
<lastModifiedBy>admin</lastModifiedBy>
<lastModifiedTimestamp>2014-04-15 01:00:16 PM</lastModifiedTimestamp>
<listenPort>50000</listenPort>
<localHost>*</localHost>
<localPort>50000</localPort>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 01:01:57 PM</lockedTimestamp>
<name>MyPerimeterServer</name>
<psInboundHighWaterMark>256000</psInboundHighWaterMark>
<psInboundLowWaterMark>153600</psInboundLowWaterMark>
<psOutboundHighWaterMark>256000</psOutboundHighWaterMark>
<psOutboundLowWaterMark>153600</psOutboundLowWaterMark>
<reverseConnect>>true</reverseConnect>
<status>locked</status>
<type>PERIMETER_SERVER_MORE_SECURE</type>
<verStamp>1</verStamp>
</perimeterServerDef>
</perimeterServerDef>
```

Get All Perimeter Server Names

Retrieves the names of all Perimeter Server objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all Perimeter Server names* method, you can retrieve the names of all Perimeter Server objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 100. Get all Perimeter Server names request details.

Method	Resource	URI	Description
GET	Perimeter Server	/sspcmrest/sspcm/rest/PerimeterServer/ getAllPerimeterServers	Get the names of all Perimeter Server objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all Perimeter Server example

The following example shows the HTTP request.

HTTP Perimeter Server request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/PerimeterServer/
getAllPerimeterServers
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Perimeter Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyPerimeterServer"]</objectsList>
  </results/>
</XmlResponse>
```

Get All Less Secure Perimeter Server Names

Retrieves the names of all Less Secure Perimeter Server objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all Less Secure Perimeter Server names* method, you can retrieve the names of all Less Secure Perimeter Server objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 101. Get all Less Secure Perimeter Server names request details.

Method	Resource	URI	Description
GET	Less Secure Perimeter Server	/sspcmrest/sspcm/rest/PerimeterServer/getAllLessPerimeterServers	Get the names of all Less Secure Perimeter Server objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all Less Secure Perimeter Server example

The following example shows the HTTP request.

HTTP Less Secure Perimeter Server request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/PerimeterServer/
getAllLessPerimeterServers
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Less Secure Perimeter Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyLessPerimeterServer"]</objectsList>
  </results/>
</XmlResponse>
```

Get All More Secure Perimeter Server Names

Retrieves the names of all More Secure Perimeter Server objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all More Secure Perimeter Server names* method, you can retrieve the names of all More Secure Perimeter Server objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 102. Get all More Secure Perimeter Server names request details.

Method	Resource	URI	Description
GET	More Secure Perimeter Server	/sspcmrrest/sspcm/rest/PerimeterServer/getAllMoreSecurePerimeterServers	Get the names of all More Secure Perimeter Server objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all More Secure Perimeter Server example

The following example shows the HTTP request.

HTTP More Secure Perimeter Server request

```
GET https://localhost:8443/sspcmrrest/sspcm/rest/PerimeterServer/
getAllMorePerimeterServers
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML More Secure Perimeter Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyPerimeterServer"]</objectsList>
  </results/>
</XmlResponse>
```

Update Perimeter Server

Changes a Perimeter Server object on the server.

With the *Update Perimeter Server*/{Perimeter ServerName} method, you can update the existing Perimeter Server defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 103. Update Perimeter Server request details.

Method	Resource	URI	Description
PUT	Perimeter Server	/sspcmrest/sspcm/rest/PerimeterServer/updatePerimeterServer/{Perimeter Server Name}	Updates the existing Perimeter Server with the XML provided

Table 104. Update Perimeter Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Perimeter Server Name	Required	Updates the existing Perimeter Server with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT Perimeter Server example

The following example shows the HTTP request.

HTTP Perimeter Server request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/
PerimeterServer/updatePerimeterServer/LessSecureZone2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Perimeter Server
```

HTTP Perimeter Server response

The following example shows the JSON response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <httpCode>200</httpCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>perimeterServerDef MyLessPerimeterServer2 updated.
  </message>
  <messageLevel>INFO</messageLevel>
  <results/>
</XmlResponse>
```

Delete Perimeter Server

Removes Perimeter Server from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete Perimeter Server*/{Perimeter ServerName} method, you can delete a Perimeter Server on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 105. Delete Perimeter Server request details.

Method	Resource	URI	Description
DELETE	Perimeter ServerName	/sspcmrest/sspcm/rest/PerimeterServer/deletePerimeterServer/{Perimeter Server Name}	Deletes the Perimeter Server from the IBM Sterling Secure Proxy Configuration Manager

Table 106. Delete Perimeter Server URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Perimeter Server Name	Required	Removes a Perimeter Server from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete Perimeter Server example

The following example shows the HTTP request.

HTTP Perimeter Server request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/PerimeterServer/deletePerimeterServer/LessSecureZone2
```

XML Perimeter Server response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>perimeterServerDef MyLessPerimeterServer2 deleted.</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Chapter 9. Policy REST API

Use the Policy API to manage policies in the IBM Sterling Secure Proxy Configuration Management.

Note: The Policy API applies to IBM Sterling Secure Proxy Configuration Management policies.

Create Policy

Creates a policy on the Sterling Secure Proxy Configuration Manager.

With the *createPolicy* method, you can create a policy on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 107. Create Policy request details.

Method	Resource	URI	Description
POST	<i>policy</i>	/sspcmrest/sspcm/rest/policy/createPolicy	Creates a new policy on the Sterling Secure Proxy Configuration Manager

Table 108. Create Policy request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new policy definition within Sterling Secure Proxy Configuration Manager

Create Policy example

The following example shows the HTTP request.

HTTP Policy request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/policy/createPolicy
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a policy
```

XML Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse><statusCode>200</statusCode>
<statusCode>OK</statusCode><action>None</action>
<message>Policy created successfully.
</message><messageLevel>INFO</messageLevel></results/>
</XmlResponse>
```

Get Policy

Retrieves a policy from the Sterling Secure Proxy Configuration Manager.

With the `getPolicy/{policyName}` method, you can retrieve a predefined policy from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 109. GET Policy request details.

Method	Resource	URI	Description
GET	policy	/sspcmrest/sspcm/rest/policy/getPolicy/{policyName}	Gets the XML corresponding to the policy defined with in the Sterling Secure Proxy Configuration Manager.

Table 110. GET Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
policyName	Required	The name of the policy that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 111. GET Policy response body parameters.

Parameter	Description
XML	The XML corresponding to the policy

GET Policy example

The following example shows the HTTP request.

HTTP Policy request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/policy/getPolicy/CD_Policy
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Policy response

The following example shows the XML response.

```
<cdPolicyDef>
<copyStepAllowed>true</copyStepAllowed>
<createdBy>admin</createdBy>
<createdTimestamp>2014-04-15 11:40:00 AM</createdTimestamp>
<eaCertValidation>false</eaCertValidation>
<forceToUnlock>false</forceToUnlock>
```

```

<formatVer>10</formatVer>
<ipAddressCheck>true</ipAddressCheck>
<lastModifiedBy>admin</lastModifiedBy>
<lastModifiedTimestamp>2014-04-15 11:40:00 AM</lastModifiedTimestamp>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 01:19:38 PM</lockedTimestamp>
<name>CD_Policy</name>
<protocol>cd</protocol>
<protocolErrorAction>NONE</protocolErrorAction>
<protocolValidationOn>true</protocolValidationOn>
<runJobStepAllowed>true</runJobStepAllowed>
<runTaskStepAllowed>true</runTaskStepAllowed>
<status>locked</status>
<submitStepAllowed>true</submitStepAllowed>
<userAuthentication>none</userAuthentication>
<userMapping>noUserID</userMapping>
</cdPolicyDef>
<verStamp>1</verStamp>
</cdPolicyDef>

```

Get All Policies

Retrieves the IDs(names) of all the policies that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllPolicies* method, you can retrieve the IDs(names) of the policies that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 112. GET Policy request details.

Method	Resource	URI	Description
GET	policy	/sspcmrest/sspcm/rest/policy/ getAllPolicies	Gets the IDs(names) corresponding to the policies defined with in the Sterling Secure Proxy Configuration Manager.

Table 113. Get All Policies URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the policies that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 114. Get All Policies response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the policies

getAllPolicies example

The following example shows the HTTP request.

HTTP Policy request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/policy/getAllPolicies
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["CD_Policy","FTP_Policy"]</objectsList>
  </results/>
</XmlResponse>
```

Update Policy

Changes a policy definition on the Sterling Secure Proxy Configuration Manager.

With the *updatePolicy/{policyName}* method, you can update the existing policy defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 115. Update Policy request details.

Method	Resource	URI	Description
PUT	policy	/sspcmrest/sspcm/rest/policy/updatePolicy/{policyName}	Updates the existing policy with the XML provided

Table 116. Update Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
policyName	Required	Updates the existing policy with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update Policy example

The following example shows the HTTP request.

HTTP Policy request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/policy/updatePolicy/CD_Policy
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the policy
```

XML Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Policy definition CD_Policy updated successfully</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Delete Policy

Removes a policy from the Sterling Secure Proxy Configuration Manager.

With the `deletePolicy/{policyName}` method, you can delete a policy on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 117. Delete Policy request details.

Method	Resource	URI	Description
DELETE	policy	/sspcmrest/sspcm/rest/policy/deletePolicy/{policyName}	Deletes the policy from the Sterling Secure Proxy Configuration Manager

Table 118. Delete Policy URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
policyName	Required	Removes a policy from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete Policy example

The following example shows the HTTP request.

HTTP Policy request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/policy/deletePolicy/CD_Policy
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Policy response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Policy definition CD_Policy12 deleted successfully</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Chapter 10. Session REST API

Use the Session API to manage sessions with the IBM Sterling Secure Proxy Configuration Manager REST service.

Note: The Session API applies to IBM Sterling Secure Proxy Configuration Management Rest API sessions.

Create Session

Creates a session with the Sterling Secure Proxy Configuration Manager.

With the *Http POST* method, you can create a session with the Sterling Secure Proxy Configuration Manager.

Table 119. Create Session request details.

Method	Resource	URI	Description
<i>POST</i>	<i>session</i>	/sspcmrest/sspcm/rest/session	Creates a new session with the Sterling Secure Proxy Configuration Manager

Table 120. Create Session request body parameters.

Parameter	Description
User ID	User ID to authenticate with the Sterling Secure Proxy Configuration Manager
Password	Password to authenticate with the Sterling Secure Proxy Configuration Manager

Create Session example

The following example shows the HTTP request.

HTTP Session request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/session
"Content-Type": "application/json"
```

Note: The User ID and Password must be specified in JSON format. Example below.
{ "userId": "admin", "password": "password" }

XML Session response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```

```

<messageLevel>INFO</messageLevel>
<objectsList>{"sessionToken":
"663844447051757739424b2b594967375679396451413d3d"}</objectsList>
<results/>
</XmlResponse>

```

Delete Session

Removes a Session from the Sterling Secure Proxy Configuration Manager.

With the *Http DELETE* method, you can delete an existing session with the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 121. Delete Session request details.

Method	Resource	URI	Description
DELETE	session	/sspcmrst/sspcm/rest/session	Deletes the session from the Sterling Secure Proxy Configuration Manager

Table 122. Delete Session Header input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
sessionToken	Required	Invalidates a session with the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9

Delete Session example

The following example shows the HTTP request.

HTTP Session request

```

DELETE https://localhost:8443/sspcmrst/sspcm/rest/session
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML Session response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
<statusCode>200</statusCode>
<httpStatus>OK</httpStatus>
<action>None</action>
<message>{Message:Session invalidated}</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get Session

Retrieves session information from the Sterling Secure Proxy Configuration Manager.

With the *Http GET* method, you can retrieve information about an existing session from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 123. GET Session request details.

Method	Resource	URI	Description
GET	session	/sspcmrest/sspcm/rest/session	Gets the user-id information corresponding to the session with the Sterling Secure Proxy Configuration Manager.

Table 124. GET Session Header input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
sessionToken	Required	The unique session token that is generated when logging in	Must be a non-empty string	a-zA-Z0-9

Table 125. GET Session response body parameters.

Parameter	Description
User ID	The User ID that is used to authenticate with Sterling Secure Proxy Configuration Manager.

GET Session example

The following example shows the HTTP request.

HTTP Session request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/session
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Session response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```

```
<messageLevel>INFO</messageLevel>  
<objectsList>{"userId":"admin"}</objectsList>  
<results/>  
</XmlResponse>
```

Chapter 11. SSO Config REST API

Use the SSO Config API to manage SSO Config objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The SSO Config API applies to IBM Sterling Secure Proxy Configuration Management SSO Config objects.

Create SSO Config

Creates a SSO Config on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create SSO Config* method, you can create a SSO Config on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 126. Create SSO Config request details.

Method	Resource	URI	Description
POST	SSO Config	/sspcmrest/sspcm/rest/ssoConfig/createSsoConfig	Creates a new SSO Config on the Sterling Secure Proxy Configuration Manager

Create SSO Config request

Table 127. Create SSO Config request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new SSO Config definition within Sterling Secure Proxy Configuration Manager

Create SSO Config example

The following example shows the HTTP request.

HTTP SSO Config request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/ssoConfig/createSsoConfig
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a SSO Config
```

XML SSO Config response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
```

```

<httpStatus>OK</httpStatus>
<action>None</action>
<message>ssoConfigDef MySSOConfig1 created.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get SSO Config

Retrieves a SSO Config from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get SSO Config/SSO ConfigName* method, you can retrieve a predefined SSO Config on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 128. GET SSO Config request details.

Method	Resource	URI	Description
Get	SSO Config	/sspcmrst/sspcmr/rest/ssoConfig/getSsoConfig/{SSO Config Name}	Get the XML corresponding to the SSO Config defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 129. GET SSO Config URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
SSO Config Name	Required	The name of the SSO Config that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Get SSO Config response body parameters

Table 130. Get SSO Config response body parameters.

Parameter	Description
XML	The XML corresponding to the SSO Config

Get SSO Config example

The following example shows the HTTP request.

HTTP SSO Config request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/ssoConfig/
getSsoConfig/SSOConfiguration9
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML SSO Config response

The following example shows the XML response.

```
<ssoConfigDef>
<applicationChangepwPage>changepw.html</applicationChangepwPage>
<applicationLoginPage>login.html</applicationLoginPage>
<applicationLogoutPage>logout.html</applicationLogoutPage>
<applicationWelcomePage>welcome.html</applicationWelcomePage>
<createdBy>admin</createdBy>
<createdTimestamp>2014-04-15 01:45:46 PM</createdTimestamp>
<defApplicationUrl>/Signon/welcome.html</defApplicationUrl>
<forceToUnlock>>false</forceToUnlock>
<formatVer>10</formatVer>
<lastModifiedBy>admin</lastModifiedBy>
<lastModifiedTimestamp>2014-04-15 01:45:46 PM
</lastModifiedTimestamp>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 01:47:51 PM</lockedTimestamp>
<loginDirectoryId>Signon</loginDirectoryId>
<loginPageCharSet>UTF-8</loginPageCharSet>
<loginPageMediaType>text/html</loginPageMediaType>
<name>MySSOConfig</name>
<properties>
<property>
<name>sso.cookie.secure</name>
<value>>true</value>
</property>
</properties>
<ssoBackendTokenCookieName>SSOTOKEN</ssoBackendTokenCookieName>
<ssoBackendUserHeaderName>SM_USER</ssoBackendUserHeaderName>
<ssoCookieDomain>10.20.30.40</ssoCookieDomain>
<ssoFQDN>10.20.30.40</ssoFQDN>
<ssoPortalType>ssoPortalTypeInternal</ssoPortalType>
<ssoTokenCookieName>SSOTOKEN</ssoTokenCookieName>
<status>locked</status>
<verStamp>1</verStamp>
</ssoConfigDef>
</ssoConfigDef>
```

Get All SSO Config Names

Retrieves the names of all SSO Config objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all SSO Config names* method, you can retrieve the names of all SSO Config objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 131. Get all SSO Config names request details.

Method	Resource	URI	Description
GET	SSO Config	/sspcmrest/sspcm/rest/ssoConfig/getAllSsoConfigs	Get the names of all SSO Config objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all SSO Config example

The following example shows the HTTP request.

HTTP SSO Config request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/ssoConfig/getAllSsoConfigs
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML SSO Config response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MySSOConfig1"]</objectsList>
  </results/>
</XmlResponse>
```

Update SSO Config

Changes a SSO Config object on the server.

With the *Update SSO Config*{SSO ConfigName} method, you can update the existing SSO Config defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 132. Update SSO Config request details.

Method	Resource	URI	Description
PUT	SSO Config	/sspcmrest/sspcm/rest/ssoConfig/updateSsoConfig/{SSO Config Name}	Updates the existing SSO Config with the XML provided

Table 133. Update SSO Config URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
SSO Config Name	Required	Updates the existing SSO Config with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT SSO Config example

The following example shows the HTTP request.

HTTP SSO Config request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/ssoConfig/
updateSsoConfig/SSOConfiguration9
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a SSO Config
```

XML SSO Config response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>ssoConfigDef MySSOConfig1 updated.</message>
    <messageLevel>INFO</messageLevel>
  </results>
</XmlResponse>
```

Delete SSO Config

Removes SSO Config from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete SSO Config*/{SSO ConfigName} method, you can delete a SSO Config on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 134. Delete SSO Config request details.

Method	Resource	URI	Description
DELETE	SSO ConfigName	/sspcmrest/sspcm/rest/ssoConfig/deleteSsoConfig/{SSO Config Name}	Deletes the SSO Config from the IBM Sterling Secure Proxy Configuration Manager

Table 135. Delete SSO Config URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
SSO Config Name	Required	Removes a SSO Config from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete SSO Config example

The following example shows the HTTP request.

HTTP SSO Config request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/ssoConfig/deleteSsoConfig/SSOConfiguration9
```

XML SSO Config response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>ssoConfigDef MySSOConfig1 deleted.</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Chapter 12. StepInjection REST API

Use the StepInjection API to manage StepInjections in the IBM Sterling Secure Proxy Configuration Management.

Note: The StepInjection API applies to IBM Sterling Secure Proxy Configuration Management StepInjections.

Create StepInjection

Creates a stepInjection on the Sterling Secure Proxy Configuration Manager.

With the *createStepInjection* method, you can create a stepInjection on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 136. Create StepInjection request details.

Method	Resource	URI	Description
POST	<i>stepInjection</i>	/sspcmrest/sspcm/rest/stepInjection/createStepInjection	Creates a new stepInjection on the Sterling Secure Proxy Configuration Manager

Table 137. Create StepInjection request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new stepInjection definition within Sterling Secure Proxy Configuration Manager

Create StepInjection example

The following example shows the HTTP request.

HTTP StepInjection request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/stepInjection/createStepInjection
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a stepInjection
```

XML StepInjection response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <statusCode>OK</statusCode>
    <action>None</action>
```

```

<message>ssoConfigDef MySSOConfig1 deleted.</message>
<messageLevel>INFO</messageLevel>
<results/>
</Xml  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
<statusCode>200</statusCode>
<httpStatus>OK</httpStatus>
<action>None</action>
<message>step injection created successfully.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>Response>

```

Get StepInjection

Retrieves a stepInjection from the Sterling Secure Proxy Configuration Manager.

With the `getStepInjection/{stepInjectionName}` method, you can retrieve a predefined stepInjection from the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 138. GET StepInjection request details.

Method	Resource	URI	Description
GET	stepInjection	/sspcmrest/sspcm/rest/stepInjection/getStepInjection/{stepInjectionName}	Gets the XML corresponding to the stepInjection defined with in the Sterling Secure Proxy Configuration Manager.

Table 139. GET StepInjection URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
stepInjectionName	Required	The name of the stepInjection that is defined with in the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Table 140. GET StepInjection response body parameters.

Parameter	Description
XML	The XML corresponding to the stepInjection

GET StepInjection example

The following example shows the HTTP request.

HTTP StepInjection request

```
GET GET https://localhost:8443/sspcmrest/sspcm/rest/stepInjection/
getStepInjection/StepInjection
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML StepInjection response

The following example shows the XML response.

```
<stepInjectionDef>
<copyOnFailure>>false</copyOnFailure>
<copyOnSuccess>>false</copyOnSuccess>
<createdBy>admin</createdBy>
<createdTimestamp>2014-04-15 01:59:18 PM</createdTimestamp>
<executeOnFailure>>false</executeOnFailure>
<executeOnSuccess>>false</executeOnSuccess>
<forceToUnlock>>false</forceToUnlock>
<formatVer>10</formatVer>
<lastModifiedBy>admin</lastModifiedBy>
<lastModifiedTimestamp>2014-04-15 01:59:18 PM</lastModifiedTimestamp>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 02:39:06 PM</lockedTimestamp>
<name>StepInjection</name>
<status>locked</status>
```

Get All StepInjections

Retrieves the IDs(names) of all the StepInjections that exist within the Sterling Secure Proxy Configuration Manager.

With the *getAllStepInjections* method, you can retrieve the IDs(names) of the StepInjections that exist within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 141. GET StepInjection request details.

Method	Resource	URI	Description
GET	stepInjection	/sspcmrest/sspcm/rest/stepInjection/ getAllStepInjections	Gets the IDs(names) corresponding to the StepInjections defined with in the Sterling Secure Proxy Configuration Manager.

Table 142. Get All StepInjections URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
None	Not Required	Retrieves the IDs(names) of the StepInjections that are defined with in Sterling Secure Proxy Configuration Manager	None	None

Table 143. Get All StepInjections response body parameters.

Parameter	Description
Messages	The IDs(names) corresponding to all the StepInjections

getAllStepInjections example

The following example shows the HTTP request.

HTTP StepInjection request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/stepInjection/getAllStepInjections
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML StepInjection response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["MyStepInjection"]</objectsList>
  </results/>
</XmlResponse>
```

Update StepInjection

Changes a stepInjection definition on the Sterling Secure Proxy Configuration Manager.

With the *updateStepInjection/{stepInjectionName}* method, you can update the existing stepInjection defined within the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 144. Update StepInjection request details.

Method	Resource	URI	Description
PUT	stepInjection	/sspcmrest/sspcm/rest/stepInjection/updateStepInjection/{stepInjectionName}	Updates the existing stepInjection with the XML provided

Table 145. Update StepInjection URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
stepInjectionName	Required	Updates the existing stepInjection with the new XML	Must be a non-empty string	a-zA-Z0-9_.

Update StepInjection example

The following example shows the HTTP request.

HTTP StepInjection request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/stepInjection/
updateStepInjection/StepInjection
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to updating the stepInjection
```

XML StepInjection response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <statusCode>OK</statusCode>
    <action>None</action>
    <message>StepInjection definition StepInjection12 updated successfully</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Delete StepInjection

Removes a stepInjection from the Sterling Secure Proxy Configuration Manager.

With the *deleteStepInjection/{stepInjectionName}* method, you can delete a stepInjection on the server.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 146. Delete StepInjection request details.

Method	Resource	URI	Description
DELETE	stepInjection	/sspcmrst/sspcm/rest/stepInjection/deleteStepInjection/{stepInjectionName}	Deletes the stepInjection from the Sterling Secure Proxy Configuration Manager

Table 147. Delete StepInjection URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
stepInjectionName	Required	Removes a stepInjection from the Sterling Secure Proxy Configuration Manager	Must be a non-empty string	a-zA-Z0-9_.

Delete StepInjection example

The following example shows the HTTP request.

HTTP StepInjection request

```
DELETE https://localhost:8443/sspcmrst/sspcm/rest/stepInjection/deleteStepInjection/CD_StepInjection
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML StepInjection response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>StepInjection definition StepInjection12
deleted successfully</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>
```

Chapter 13. System Acceptor REST API (part of System Settings)

Use the Acceptor API to manage Acceptor objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The Acceptor API applies to the System Settings (Listeners) in IBM Sterling Secure Proxy Configuration Management Acceptor objects.

Get Acceptor

Retrieves a Acceptor from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get Acceptor/AcceptorName* method, you can retrieve a predefined Acceptor on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 148. GET Acceptor request details.

Method	Resource	URI	Description
Get	Acceptor	/sspcmrst/sspcm/rest/accepter/getAcceptor/{Acceptor Name}	Get the XML corresponding to the Acceptor defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 149. GET Acceptor URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Acceptor Name	Required	The name of the Acceptor that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	Secure or NonSecure

Get Acceptor response body parameters

Table 150. Get Acceptor response body parameters.

Parameter	Description
XML	The XML corresponding to the Acceptor

Get Acceptor example

The following example shows the HTTP request.

HTTP Acceptor request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/accepter/getAcceptor/Secure
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Acceptor response

The following example shows the XML response.

```
<accepterDef>
<enabled>true</enabled>
<forceToUnlock>false</forceToUnlock>
<ipAddress>127.0.0.1</ipAddress>
<name>Secure</name>
<port>62366</port>
<secureConnection>true</secureConnection>
<timeOut>30000</timeOut>
<verStamp>1</verStamp>
</accepterDef>
```

Update Acceptor

Changes a Acceptor object on the server.

With the *Update Acceptor/{AcceptorName}* method, you can update the existing Acceptor defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 151. Update Acceptor request details.

Method	Resource	URI	Description
PUT	Acceptor	/sspcmrest/sspcm/rest/accepter/updateAcceptor/{Acceptor Name}	Updates the existing Acceptor with the XML provided

Table 152. Update Acceptor URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Acceptor Name	Required	Updates the existing Acceptor with the new XML	Must be a non-empty string	Secure or NonSecure

PUT Acceptor example

The following example shows the HTTP request.

HTTP Acceptor request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/accepter/updateAcceptor/NonSecure
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Acceptor
```

XML Acceptor response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <httpCode>200</httpCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>accepterDef NonSecure updated.</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>
```

Chapter 14. System Config User REST API

Use the Config User API to manage Config User objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The Config User API applies to IBM Sterling Secure Proxy Configuration Management Config User objects.

Create Config User

Creates a Config User on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create Config User* method, you can create a Config User on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 153. Create Config User request details.

Method	Resource	URI	Description
POST	Config User	/sspcmrest/sspcm/rest/configUser/createConfigUser	Creates a new Config User on the Sterling Secure Proxy Configuration Manager

Create Config User request

Table 154. Create Config User request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new Config User definition within Sterling Secure Proxy Configuration Manager

Create Config User example

The following example shows the HTTP request.

HTTP Config User request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/configUser/createConfigUser
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Config User
```

XML Config User response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
```

```

<httpStatus>OK</httpStatus>
<action>None</action>
<message>configUserDef NaveenMerreddi created.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Get Config User

Retrieves a Config User from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get Config User/Config UserName* method, you can retrieve a predefined Config User on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 155. GET Config User request details.

Method	Resource	URI	Description
Get	Config User	/sspcmrest/sspcm/rest/configUser/getConfigUser/{Config User Name}	Get the XML corresponding to the Config User defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 156. GET Config User URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Config User Name	Required	The name of the Config User that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Get Config User response body parameters

Table 157. Get Config User response body parameters.

Parameter	Description
XML	The XML corresponding to the Config User

Get Config User example

The following example shows the HTTP request..

HTTP Config User request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/configUser/getConfigUser/ConfigUser3
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Config User response

The following example shows the XML response.

```
<haasUserDef>
<forceToUnlock>false</forceToUnlock>
<formatVer>10</formatVer>
<hashedName>db97de10</hashedName>
<lockedBy>admin</lockedBy>
<lockedTimestamp>2014-04-15 03:04:34 PM</lockedTimestamp>
<name>nmereddi</name>
<passwordPolicyId>defPasswordPolicy</passwordPolicyId>
<properties>
<property>
<name>passwordHistory0</name>
<value>W6ph5Mm5Pz8GgiULbPgZG37mj9g=</value>
</property>
</properties>
<role>admin</role>
<status>locked</status>
<verStamp>1</verStamp>
</haasUserDef>
```

Get All Config User Names

Retrieves the names of all Config User objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all Config User names* method, you can retrieve the names of all Config User objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 158. Get all Config User names request details.

Method	Resource	URI	Description
GET	Config User	/sspcmrest/sspcm/rest/configUser/getAllConfigUsers	Get the names of all Config User objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all Config User example

The following example shows the HTTP request..

HTTP Config User request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/configUser/getAllConfigUsers
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML Config User response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["admin"]</objectsList>
    <results/>
  </XmlResponse>
```

Update Config User

Changes a Config User object on the server.

With the *Update Config User/{Config UserName}* method, you can update the existing Config User defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 159. Update Config User request details.

Method	Resource	URI	Description
PUT	ConfigUser	/sspcmrest/sspcm/rest/configUser/updateConfigUser/{Config User Name}	Updates the existing Config User with the XML provided

Table 160. Update Config User URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Config User Name	Required	Updates the existing Config User with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT Config User example

The following example shows the HTTP request.

HTTP Config User request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/configUser/
updateConfigUser/ConfigUser3
"X-Authentication":
"61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a Config User
```

XML Config User response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
```



```

<httpStatus>OK</httpStatus>
<action>None</action>
<message>configUserDef NaveenMerreddi updated.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Delete Config User

Removes Config User from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete Config User*/*{Config UserName}* method, you can delete a Config User on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 161. Delete Config User request details.

Method	Resource	URI	Description
DELETE	ConfigUserName	/sspcmrest/sspcm/rest/configUser/deleteConfigUser/{Config User Name}	Deletes the Config User from the IBM Sterling Secure Proxy Configuration Manager

Table 162. Delete Config User URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
Config User Name	Required	Removes a Config User from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete Config User example

The following example shows the HTTP request.

HTTP Config User request

```
DELETE https://localhost:8443/sspcmrest/sspcm/rest/configUser/deleteConfigUser/ConfigUser3
```

XML Config User response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<XmlResponse>
<httpCode>200</httpCode>
<httpStatus>OK</httpStatus>
<action>None</action>
<message>configUserDef nmerreddi deleted.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Chapter 15. System Globals REST API (part of System Settings)

Use the System Globals API to manage System Globals objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The System Globals API applies to System Settings (Globals) of IBM Sterling Secure Proxy Configuration Management System Globals objects.

Get System Globals

Retrieves a System Globals from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get System Globals/System GlobalsName* method, you can retrieve a predefined System Globals on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 163. GET System Globals request details.

Method	Resource	URI	Description
Get	System Globals	/sspcmrest/sspcm/rest/sysGlobals/getSysGlobals	Get the XML corresponding to the System Globals defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get System Globals response body parameters

Table 164. Get System Globals response body parameters.

Parameter	Description
XML	The XML corresponding to the System Globals

Get System Globals example

The following example shows the HTTP request..

HTTP System Globals request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/sysGlobals/getSysGlobals
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML System Globals response

The following example shows the XML response.

```

<sysGlobalsDef>
<SSLHandshakeTimeout>30000</SSLHandshakeTimeout>
<acceptTimeout>30000</acceptTimeout>
<clientReadTimeout>30000</clientReadTimeout>
<connectTimeout>30000</connectTimeout>
<forceToUnlock>false</forceToUnlock>
<logLevel>INFO</logLevel>
<loginLockoutDelayTime>10</loginLockoutDelayTime>
<maxAllowedLoginAttempts>0</maxAllowedLoginAttempts>
<name>sysGlobals</name>
<rowsPerPage>100</rowsPerPage>
<sessionIdleTimeout>0</sessionIdleTimeout>
<threadCount>5</threadCount>
<verStamp>1</verStamp>
</sysGlobalsDef>

```

Update System Globals

Changes a System Globals object on the server.

With the *Update System Globals*/{*System GlobalsName*} method, you can update the existing System Globals defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 165. Update System Globals request details.

Method	Resource	URI	Description
PUT	System Globals	/sspcmrest/sspcm/rest/sysGlobals/updateSysGlobals	Updates the existing System Globals with the XML provided

PUT System Globals example

The following example shows the HTTP request.

HTTP System Globals request

```

PUT https://localhost:8443/sspcmrest/sspcm/rest/sysGlobals/updateSysGlobals
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a System Globals

```

XML System Globals response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>sysGlobalsDef sysGlobals updated.</message>
    <messageLevel>INFO</messageLevel>
  </results/>
</XmlResponse>

```

Chapter 16. User Store REST API

Use the User Store API to manage User Store objects in the IBM Sterling Secure Proxy Configuration Management.

Note: The User Store API applies to IBM Sterling Secure Proxy Configuration Management User Store objects.

Create User Store

Creates a User Store on the IBM Sterling Secure Proxy Configuration Manager.

With the *Create User Store* method, you can create a User Store on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 166. Create User Store request details.

Method	Resource	URI	Description
POST	User Store	/sspcmrest/sspcm/rest/userStore/createUserStore	Creates a new User Store on the Sterling Secure Proxy Configuration Manager

Create User Store request

Table 167. Create User Store request body parameters.

Parameter	Description
XML	The XML corresponding to creating a new User Store definition within Sterling Secure Proxy Configuration Manager

Create User Store example

The following example shows the HTTP request..

HTTP User Store request

```
POST https://localhost:8443/sspcmrest/sspcm/rest/userStore/createUserStore
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a User Store
```

XML User Store response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
```

```

    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>Create userStore successful.
- userStoreDef MyUserStore created.</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>

```

Get User Store

Retrieves a User Store from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get User Store/User StoreName* method, you can retrieve a predefined User Store on the Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 168. GET User Store request details.

Method	Resource	URI	Description
Get	User Store	/sspcmrst/sspcm/rest/userStore/getUserStore/{User Store Name}	Get the XML corresponding to the User Store defined with in the IBM Sterling Secure Proxy Configuration Manager.

Table 169. GET User Store URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
User Store Name	Required	The name of the User Store that is defined with in IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 . _ -

Get User Store response body parameters

Table 170. Get User Store response body parameters.

Parameter	Description
XML	The XML corresponding to the User Store

Get User Store example

The following example shows the HTTP request..

HTTP User Store request

```

GET https://localhost:8443/sspcmrst/sspcm/rest/userStore/getUserStore/userStore2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"

```

XML User Store response

The following example shows the XML response.

```
<userStoreDef>
  <description>
    <![CDATA[Proxy User Store]]>&#x27;</description>
  <elements>
    <userDef>
      <description>
        <![CDATA[ProxyAdmin]]>&#x27;</description>
      <forceToUnlock>false</forceToUnlock>
      <name>proxyAdmin</name>
      <properties>
        <property>
          <name>passwordHistory0</name>
          <value>0DPiKuNIrrVmD8IUCuw1hQxNqZc=</value>
        </property>
      </properties>
      <verStamp>1</verStamp>
    </userDef>
  </elements>
  <forceToUnlock>false</forceToUnlock>
  <formatVer>1</formatVer>
  <lockedBy>admin</lockedBy>
  <lockedTimestamp>2014-04-15 03:18:00 PM</lockedTimestamp>
  <name>defUserStore</name>
  <status>locked</status>
</userStoreDef>
```

Get All User Store Names

Retrieves the names of all User Store objects from the IBM Sterling Secure Proxy Configuration Manager.

With the *Get all User Store names* method, you can retrieve the names of all User Store objects on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 171. Get all User Store names request details.

Method	Resource	URI	Description
GET	User Store	/sspcmrest/sspcm/rest/userStore/getAllUserStores	Get the names of all User Store objects defined with in the IBM Sterling Secure Proxy Configuration Manager.

Get all User Store example

The following example shows the HTTP request..

HTTP User Store request

```
GET https://localhost:8443/sspcmrest/sspcm/rest/userStore/getAllUserStores
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
```

XML User Store response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <messageLevel>INFO</messageLevel>
    <objectsList>["defUserStore"]</objectsList>
  </results/>
</XmlResponse>
```

Update User Store

Changes a User Store object on the server.

With the *Update User Store*/{User StoreName} method, you can update the existing User Store defined on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 172. Update User Store request details.

Method	Resource	URI	Description
PUT	User Store	/sspcmrest/sspcm/rest/userStore/updateUserStore/{User Store Name}	Updates the existing User Store with the XML provided

Table 173. Update User Store URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
User Store Name	Required	Updates the existing User Store with the new XML	Must be a non-empty string	A-Z a-z 0-9 ._-

PUT User Store example

The following example shows the HTTP request.

HTTP User Store request

```
PUT https://localhost:8443/sspcmrest/sspcm/rest/userStore/updateUserStore/UserStore2
"X-Authentication": "61504f4a524b48532b776a3467643733374b526368513d3d"
"Content-Type": "application/xml"
XML corresponding to defining a User Store
```

XML User Store response

The following example shows the XML response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
```



```

<message>userStoreDef MyUserStore updated.</message>
<messageLevel>INFO</messageLevel>
<results/>
</XmlResponse>

```

Delete User Store

Removes User Store from the IBM Sterling Secure Proxy Configuration Manager.

With the *Delete User Store*{User StoreName} method, you can delete a User Store on the IBM Sterling Secure Proxy Configuration Manager.

This API method requires authentication, and therefore the authentication token generated at login must be passed in through the "X-Authentication" header.

Table 174. Delete User Store request details.

Method	Resource	URI	Description
DELETE	User StoreName	/sspcmrst/sspcmr/rest/userStore/deleteUserStore/{User Store Name}	Deletes the User Store from the IBM Sterling Secure Proxy Configuration Manager

Table 175. Delete User Store URI input parameters.

Parameter	Required or Optional	Description	Validation	Valid values
User Store Name	Required	Removes a User Store from the IBM Sterling Secure Proxy Configuration Manager	Must be a non-empty string	A-Z a-z 0-9 ._-

Delete User Store example

The following example shows the HTTP request.

HTTP User Store request

```
DELETE https://localhost:8443/sspcmrst/sspcmr/rest/userStore/deleteUserStore/UserStore2
```

XML User Store response

The following example shows the XML response.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <XmlResponse>
    <statusCode>200</statusCode>
    <httpStatus>OK</httpStatus>
    <action>None</action>
    <message>userStoreDef MyUserStore deleted.</message>
    <messageLevel>INFO</messageLevel>
    <results/>
  </XmlResponse>

```

Chapter 17. REST API HTTP return codes

The REST APIs support HTTP return status codes.

Success codes

HTTP/1.1 200 OK

Successful completion of a DELETE, GET, POST or PUT of a resource.

Error codes

HTTP/1.1 204 No Content

Unable to process a request, which resulted in an exception or error.

HTTP/1.1 400 Bad Request

Invalid resource request.

HTTP/1.1 401 Unauthorized

You do not have the correct authentication information.

HTTP/1.1 403 Forbidden

You do not have access.

HTTP/1.1 405 Method Not Allowed

HTTP method cannot be used.

HTTP/1.1 500 Internal Server Error

Any exception that is thrown by the server.

Chapter 18. REST API response headers

The REST APIs support common HTTP response headers.

Table 176. REST API response headers.

Parameter	Required or Optional	Description	Validation	Valid values
content-type	Required	This value corresponds to the Accept type given in the request header. Remember: If no value is given, the default value is XML.	XML	application/ application/xml

Chapter 19. REST API request headers

The REST APIs support common HTTP request headers.

Table 177. REST API request headers

Parameter	Required or Optional or Read Only	Description	Validation	Valid values
X-Authentication	Required	The unique session token that is generated when the user authenticates with the configuration manager, using the REST API. The same session token could be reused when accessing other resources.	Must be mapped to the user that is authenticated	Unique, random token generated by the service
Content-Type	Required	This value corresponds to the Accept type specified in the request header.	JSON or XML	"application/json" for JSON, and "application/xml" for XML

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