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## Highlights

- Speed application deployment and dramatically reduce setup time for IBM WebSphere® environments from weeks to minutes with predefined patterns and virtual images.
  - Dynamically manage application health and performance with the new WebSphere Application Server Hypervisor Edition – Intelligent Management Pack.
  - Dispense multiple images in a single pattern to better capture your application's true topology.
  - Maximize reuse of resources in a private cloud by automatically returning them to the shared resource pool upon completion.
  - Gain insight into cloud resource utilization and charge back departments with management reports that track usage of physical and virtual systems.
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# IBM WebSphere CloudBurst Appliance

*Delivers enterprise cloud services to speed application deployment*

Organizations are facing a complexity and affordability crisis. Costs to manage and power operations can exceed the budget for hardware and software. Fortunately the world is becoming smarter, more instrumented, interconnected and intelligent.

A Smarter Planet™ is about working smarter, making more informed decisions and creating deeper relationships and business processes that are more agile and efficient, all while optimizing costs. The need has never been greater for organizations to optimize the management of their business applications to create fresh possibilities across the enterprise and seize tomorrow's opportunities.

Businesses are extending Service-Oriented Architecture (SOA) by applying it to cloud services, making deployments more flexible and easy to use. By extending SOA to private clouds, organizations can realize both the economic benefits of a virtualized infrastructure managed as a single resource and the security of a private cloud behind the corporate firewall.

IBM WebSphere CloudBurst™ Appliance empowers developers, IT and operations managers to intelligently deploy and manage their SOA foundation in private cloud computing environments to lower costs and rapidly roll out new applications and services. This hardware appliance provides access to software virtual images and patterns to be used as is or easily customized then securely deployed and managed in a private cloud. Combined with [WebSphere Hypervisor Edition](#) virtual



images, these intelligent management solutions allow organizations to easily, quickly and repeatedly create application environments that can be published and managed in a private cloud. Organizations can seamlessly extend their investment in SOA into a cloud services environment.

The first hardware appliance of its kind, WebSphere CloudBurst Appliance stores and secures WebSphere Hypervisor Edition virtual images and patterns to be dispensed into a cloud. WebSphere CloudBurst Appliance helps customers easily and quickly develop, test and deploy business applications, ending the use of manual, complex or time-intensive processes associated with creating application environments. Once finished, resources are automatically returned to the shared resource pool and logged for internal charge-back purposes. WebSphere CloudBurst Appliance also manages individual user and group access, giving IT managers the right kind of access controls with optimal efficiency rates.

WebSphere CloudBurst Appliance incorporates more than 10 years of management best practices for cost-effective, rapid and repeatable application deployment and fully integrates with development and service management tools from Rational® and Tivoli® brands for a seamless end-to-end process.



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IBM WebSphere CloudBurst Appliance

WebSphere CloudBurst Appliance is targeted for private or on-premise cloud computing environments. It can also be used by service providers providing hosted public clouds and software-as-a-service environments to simplify and standardize repeated deployments. It's part of a powerful and comprehensive set of cloud computing and virtualization solutions for intelligently deploying and managing SOA applications, services and environments to achieve smarter business outcomes. These solutions deliver robustness and agility to enable applications to adapt to changing market conditions while lowering costs.

Feature	Benefits
<b>Securely deploy, manage and maintain application environments in a private cloud</b>	<ul style="list-style-type: none"> <li>• Lower hardware, power and cooling costs by utilizing shared virtualized infrastructure and driving higher hardware utilization rates in a private cloud</li> </ul>
<b>Predefined patterns (such as WebSphere application environments) based on more than 10 years of IBM software management best practices</b>	<ul style="list-style-type: none"> <li>• Rapid, and repeatable application deployment</li> <li>• Lower development and deployment costs by ending the use of manual, complex and time-intensive processes associated with creating application environments</li> <li>• Reduce risk</li> <li>• Streamline resources and time dedicated to WebSphere environment configuration and administration</li> </ul>
<b>Customize multi-image patterns to meet your specific needs</b>	<ul style="list-style-type: none"> <li>• Increase agility</li> <li>• Enhance repeatability and lower the potential for costly errors</li> </ul>
<b>Preloaded WebSphere Application Server Hypervisor Edition 6.1 and 7.0 virtual images</b>	<ul style="list-style-type: none"> <li>• Running systems available in VMware ESX, PowerVM™ and z/VM® environment in minutes</li> <li>• Lower installation, administration and maintenance costs</li> </ul>
<b>WebSphere Process Server Hypervisor Edition 6.2 and 7.0 virtual images</b>	<ul style="list-style-type: none"> <li>• Running systems available in VMware ESX and PowerVM environment in minutes</li> <li>• Efficiently and cost-effectively deploy and manage BPM applications using cloud principles</li> </ul>
<b>Preloaded WebSphere Application Server Hypervisor Edition – Intelligent Management Pack</b>	<ul style="list-style-type: none"> <li>• Drive down costs and enhance application performance by delivering application edition management, health management and other popular application virtualization functions via the WebSphere CloudBurst Appliance</li> </ul>
<b>“Lock” images, patterns and specific parameters (such as, memory size = 1024)</b>	<ul style="list-style-type: none"> <li>• Ensure identical, repeated deployments</li> </ul>
<b>Management reports track usage by users and groups</b>	<ul style="list-style-type: none"> <li>• Accurately charge back departments</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Self-service virtual system management console</b></li> <li>• <b>Set up and tear down WebSphere environments based on user input times at the click of a button</b></li> <li>• <b>Apply updates to images and patterns once and republish for broader user access</b></li> </ul>	<ul style="list-style-type: none"> <li>• Running systems available within minutes</li> <li>• Simplified administration and management</li> <li>• Frees developers to focus on development and testers on testing</li> </ul>

Feature	Benefits
<b>License Management</b>	<ul style="list-style-type: none"> <li>Automatically alert users/administrators when product requests exceed available entitlements</li> </ul>
<b>Schedule deployment of patterns and automatically return them to shared resource pool upon completion</b>	<ul style="list-style-type: none"> <li>Maximize reuse of resources</li> </ul>
<b>Manage individual user and group access</b>	<ul style="list-style-type: none"> <li>Optimize efficiency rates</li> </ul>
<ul style="list-style-type: none"> <li>Appliance serves as an encrypted vault where images, patterns and permissions are stored</li> <li>Appliance has a self-disabling switch, which is triggered if the appliance cover is removed</li> <li>Provides granular access controls, allowing administrators to restrict visibility, pattern creation privileges and deployment rights to individuals and groups</li> <li>Integrates with existing LDAP directories to tie into existing access control lists</li> <li>Passwords for virtual systems deployed are set at the time of deployment, guaranteeing root access only to credentialed parties</li> </ul>	<ul style="list-style-type: none"> <li>Security through the entire infrastructure life cycle</li> </ul>
<b>REST APIs allow for standards-based integration into existing data center management software, including Tivoli</b>	<ul style="list-style-type: none"> <li>Seamless integration into management tools including Tivoli software</li> </ul>
<b>Virtual image customization to include binaries for monitors and corporate governance agents</b>	<ul style="list-style-type: none"> <li>Ensure compliance</li> <li>Easily integrate with monitoring tools for optimal performance</li> </ul>
<b>Drag-and-drop tooling for assembling virtual images, scripts and topologies into customized patterns</b>	<ul style="list-style-type: none"> <li>Easily customize predefined patterns to meet customer needs</li> </ul>



## For more information

To learn more about IBM WebSphere CloudBurst Appliance, contact your IBM representative or IBM Business Partner, or visit [ibm.com/cloudburst](http://ibm.com/cloudburst)

Additionally, financing solutions from IBM Global Financing can enable effective cash management, protection from technology obsolescence, improved total cost of ownership and return on investment. Also, our Global Asset Recovery Services help address environmental concerns with new, more energy-efficient solutions. For more information on IBM Global Financing, visit: [ibm.com/financing](http://ibm.com/financing)



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