TIVOLI_STORAGE_MANAGER_D_MAR05 – Narration

Intro 15 seconds
IBM Tivoli Storage Manager is an enterprise-wide storage management application. It provides automated storage management services to workstations and file servers from a variety of vendors and operating systems.

1a 17 Seconds 0:22
The Integrated Solutions console is a web based common administration console, which can be used by multiple products. The Integrated Solutions Console is built on top of a WebSphere Application Server and WebSphere Portal using java technology.

1b 35 Seconds 0:38
After selecting Tivoli Storage Manager from the Solutions Console we are presented with a drop down list, which lists the features available from this interface. Selecting Health Monitor from this list gives us a quick view of the health of our three backup servers.   If we further drill down into server Backups_HQ we can see more detail on storage device status and schedule status as well as log information.   Any view can be bookmarked as a favorite so that the user can navigate directly to this page in the future.

1c 26 Seconds 1:18
Selecting the Storage Devices main task shows a list of the three servers and one shared tape library that are defined to the system.   We use the drop down list in the server's portal to work with a server's storage objects. We will now select the "Add a Storage Device" wizard from the list.   This wizard allows you to quickly define a new storage device to this server.

1c1 20 Seconds 1:47
To define a storage device a number of storage objects must be created. These include a library, device class, storage pool, drives, paths and storage volumes. The Add a Storage Device wizard helps you create these objects.

1d 22 Seconds 2:14
A server's properties can also be defined or changed by simply selecting the server's link.   This is the server properties portlet. It can be used to change settings in the server's options file. We will now take a look at the communications settings. From here protocols, ports and buffer sizes may be changed.

2a 34 Seconds 2:43
Selecting the Enterprise Management main task shows all the servers that have been defined to the console.   The three TSM servers are configured with one configuration manager and 2 managed servers.   Defining servers to one another allows them to communicate. For example, a server can send volumes to be archived on another server and also receive routed commands from other servers. At the same time, the server can provide backup, archive and space management to client nodes.

3a 36 Seconds 3:17

We'll now explore the Policy Domains and client nodes main task. Policies define how TSM manages data. For example, they define the policies for backup, archive, and migration operations on client nodes. Policies include settings such as:

- How and when file and directories are backed up and archived
- How space-managed files are migrated from client nodes to server storage
- Where backed-up files are initially stored
- And How many backup versions are kept and for how long

3b 15 Seconds 3:53

When we expand client node schedules we see a list of the schedules that are defined.   You use these schedules to automate protection of data on the client nodes. A client can be associated with multiple schedules.

3d 22 Seconds 4:08

From the Integrated solutions console, we can also launch an ad hoc client node.   Using the backup and archive client we can back up data from a client anywhere in the enterprise. Launching the backup interface gives us a simple explorer type view from which you can backup whole directories or individual files.

4a 20 Seconds 4:31

 With today's Businesses facing an expanding set of data-protection challenges and regulatory data-retention requirements, IBM Tivoli Storage Manger offers a 24x7 centralized automated data protection solution for the on demand world