

Network management scenarios

This chapter sketches some network management scenarios:

- [Putting another admin in charge of a subdomain](#)
- [Monitoring network and device status](#)
- [Workflow for a sample business policy](#)
- [Adjusting the network after moving a server](#)
- [Creating reports](#)

This chapter does not tell you much about how to do something, but what can be done. It provides some overall perspective on what OverDrive Network Hypervisor can do, and how easy it is. If you want to see how to do these actions in detail, refer to the *Cisco OverDrive Network Hypervisor 4.0 User Guide*.

Putting another admin in charge of a subdomain

Domains support delegation; technically they are administrative domains. The scope of an administrative role is defined by the domain in which it is granted to the administrator. This role applies to that domain, and all its subdomains. OverDrive Network Hypervisor lets you assign any or all of the five roles to an administrator.

Do the following:

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| Step 1 | Right click any domain and choose New Administrator. |
| Step 2 | Under the Administrator tab, enter the username and password, and a comment to show as a tooltip. |
| Step 3 | Under the Roles tab: <ul style="list-style-type: none">a. Expand the domain tree.b. Right-click the highest-level domain to which the administrator will be allowed access for the role you are assigning.c. Choose the administrator's role (his function and permissions). |
| Step 4 | Double-click the domain to open it, and verify that the admin has been added correctly, as with the business admin in the following example figure: |
| Step 5 | Click Submit. |

For details, especially the types of roles, see the *Cisco OverDrive Network Hypervisor 4.0 User Guide*.

Monitoring network and device status

Monitoring the network is very easy, thanks to the graphic presentation of device and communication status in the network status view.

When some error condition highlights a disadvantaged status by displaying an error flag, you can drill down into the devices and associated logs to see what is happening.

For example, OverDrive Network Hypervisor might report a network (hardware) problem, as in the following window:

To find the problem do the following:

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| Step 1 | Click the Network Status tab. |
| Step 2 | Find the DSC (here H3C205MSR3060). |
| Step 3 | Right-click it and choose View Configuration. |
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See the *Cisco OverDrive Network Hypervisor 4.0 User Guide* for more information about monitoring network and device status, as well as using the alerts window:

- Recognizing a library of connection icons.
- Using the alerts window.

Workflow for a sample business policy

With OverDrive Network Hypervisor, you can create a new business policy in a just a few steps and then implement it network-wide.

The entire process can be completed within seconds, as suggested in this example.

1. Suppose the admin wants to allow users to communicate, whether they are in Danvers, on the LS Datacenter LANS, or on the 10 Network.
2. The admin creates a new business policy, specifying the participating resources by adding them from the Available Resources column to the Participating Resources column.
3. He then choose a hub-spoke network, allowing the ANY communications protocol.
4. The NSVE contacts the DSCs involved. They contact the switches and routers to link the two sites, and the status view shows the communications in effect:

Adjusting the network after moving a server

Consider moving a server from San Francisco to Boston. Without OverDrive Network Hypervisor, network engineers would have to change everyone's access, but with OverDrive Network Hypervisor, high-level business policies drive the network, and their components are very easy to update.

Making the change from San Francisco to Boston is really simple:

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| Step 1 | Right-click on the server to be changed, in the Resources tab for the appropriate domain, and choose Edit. |
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Step 2 Change the Site drop-down from San Francisco to Boston.

Step 3 Change the IP address to the Boston server's IP address.

Step 4 Click Submit.

That's it. In a minute or two, OverDrive Network Hypervisor creates new VPN tunnels as needed for the configuration change.

For details, see *Cisco OverDrive Network Hypervisor 4.0 User Guide*.

Creating reports

OverDrive Network Hypervisor lets you generate reports easily, for example, to:

- Satisfy federal regulations such as for HIPAA (Health Insurance Portability and Accountability Act), PCI (Payment Card Industry), and SOX (Sarbanes Oxley)
- Provide site and domain compliance reports using the Launch Audit Log toolbar button.

