Configuring Delegated Administration and Self-Service in VMM

Scenario

To address the administration requirements for one of the business groups, you will implement delegated administration and self-service in VMM. You need to configure the delegated administration roles and the self-service roles, and then verify the configuration.

The main tasks for this exercise are as follows:

1. Configure a delegated administrator role in VMM
2. Configure self-service administration in VMM
3. Validate the configuration by using VMM
4. Validate the configuration by using App Controller

Task 1: Configure a delegated administrator role in VMM

Create a private cloud

3. From SCVMM Click the **VMs and Service** workspace, and then create a cloud named **Contoso Development**, with the description **Contoso Development Cloud**.
4. Follow the Create Cloud Wizard, and then on the **Resources** page, select **Contoso**.
5. On the **Logical Networks** page, select **Contoso Corp**.
6. On the **Load Balancers** page, select **Microsoft Load Balancing (NLB)**.
7. On the **Port Classifications** page, select **Network load balancing**, **Medium Bandwidth**, and **High Bandwidth**.
8. On the **Library** page, select **MSSCVMMLibrary**. (click on Add to select **MSSCVMMLibrary**)

    On the **Capacity** page, review the capacity options. Clear the check box next to each selected resource, and then assign the following:

9.
    • 8 virtual CPUs
    • 12 GB memory
    • 250 GB storage
    • 15 quota points
    • 4 virtual machines

10. On the **Capability Profiles** page, select **Hyper-V**.
11. Review the **Summary** page, click **Finish**, and then close the Jobs window.

Configure delegated administration in VMM

1. In the VMM console, click the **Settings** workspace, and then create a User Role with the name **DevAdmin** and the description **Development team administrators**.

2. Follow the Create User Role Wizard, on the **Profile** page, select **Fabric Administrator (Delegated Administrator)**, and then on the **Members** page, add **Rob Cason**.

3. On the **Scope** page, select the **Contoso Development** cloud and the **ContosoHosts** host group.

4. On the **Library servers** page, select **DC01**.contoso

5. On the **Run As accounts** page, select **Administrator** account. (click Add to select)

6. Review the summary, click **Finish**, and then close the Jobs window.

Task 2: Configure self-service administration in VMM

Configure self-service in VMM

1. In the VMM console, click the **Settings** workspace, and then create a User Role named **DevContractors** with the description **Development team contractors**.

2. Follow the Create User Role Wizard, and then on the **Profile** page, select **Application Administrator (Self-Service User)**.

3. On the **Members** page, add **Adam**. (create a user called Adam in DC01 first)

4. On the **Scope** page, select **Contoso Development**.

5. On the **Networking** page, Add **Contoso network**.

6. On the **Resources** page, select the **a resource**.

   On the **Permissions** page, assign the following permitted actions:

7.
   • **Deploy**
   • **Remote connection**
   • **Shut down**
   • **Start**
   • **Stop**

8. On the **Run As accounts** page, select **Administrator** Account. (Add to select)

9. On the **Summary** page, review the settings, click **Finish**, and then close the Jobs window.

Task 3: Validate the configuration by using VMM

Your new user will be able to do the following

3. Create a new virtual machine in the London Development cloud. Follow the Create Virtual Machine Wizard, and then on the **Select Source** page, select **Create the new virtual machine with a blank virtual hard disk**.

4. On the **Specify Virtual Machine Identity** page, name the virtual machine **AdamVM**.

5. On the **Configure Hardware** page, select a **Hyper-V** capability profile.
6. On the **Select Destination** page, select **Deploy the virtual machine to a private cloud**.
7. On the **Select Cloud** page, select **contoso**.
8. On the **Summary** page, create the virtual machine. Close the DevAdmin instance of the Virtual Machine Manage console.
9. In the Administrator instance of the Virtual Machine Manager console, click the **VMs and Services** workspace, and then click the arrow next to **Clouds**. You should see the London Development cloud.
10. Click the **London Development** cloud, and then on the ribbon, click **Overview**. Note that you can see User roles and Virtual Machine Owners. Confirm that you can see the DevAdmin and DevContractors roles. Click to expand these roles and view their assigned users. Review the details on this page.

Task 4: Validate the configuration by using App Controller

Connect App Controller to VMM

1. On LON-VMM1, open **App Controller**.
2. On the **App Controller Credentials** page, sign in with the following credentials:

   • User name: **Adatum\Administrator**
   • Password: **Pa$$w0rd**
3. Add a new connection to **LON-VMM1.adatum.com**, with the **Description** set to **London VMM Server access** and the **Server name** set to **LON-VMM1.adatum.com**.
4. On the **Overview** page, in the top right corner of the browser, click **Sign Out**.

Verify self-service in App Controller

1. On the **App Controller Credentials** page, in the **User name** field, type **Adatum\Adam**, in the **Password** field, type **Pa$$w0rd**, and then click **Sign In**.
2. From the **Overview** page, deploy a new service from the **Adatum Web Service template**.
3. In the Service section, click **Configure**, on the **Properties of Adatum Web Service** page, name the service **Contractor Service**, and then add a cost center called **London Development**.
4. In the Instance section, click **Configure**, in the **Computer Name** field, type **LON-WEB1**, and then click **OK.**
5. Note that, by clicking **Deploy**, a new virtual machine would be deployed. This would take between 10 and 20 minutes.
6. Click **Cancel** to cancel the deployment.
7. Close the App Controller window.