



Installing ForeFront Identity Manager 2010 with GalSync R4 in a Standalone Configuration

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1 Introduction

This document presents the needed guidance to install and configure Microsoft Forefront Identity Manager 2010 Synchronisation Service on Windows Server 2008 R2 ENT in a Standalone configuration.

This document also covers installing and configuring GALSync R4 for connectivity to the Live@EDU Service.

2 Installing Forefront Identity Manager 2010 Standalone

2.1 Pre-requisites

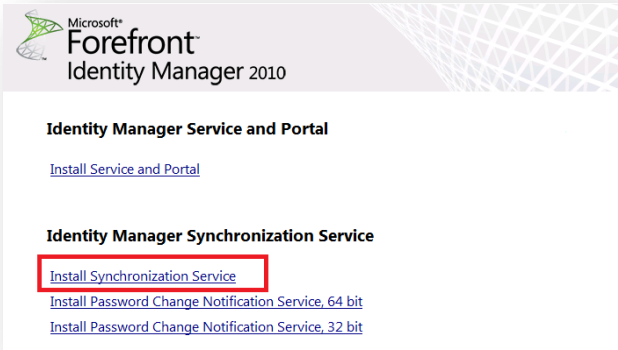
The following list details the requirements before configuring the operating system

- Windows Server 2008 R2 ENT Full (x64) Operating System.
- Microsoft .NET Framework 3.5 SP1 or better
This can be added from the Add Features wizard in Windows 2008 Server Manager
- Microsoft SQL Server 2008 SP1 or better

2.2 Installation

To Install Forefront Identity Manager 2010 for Live@EDU follow the steps below

Installing Forefront Identity Manager 2010

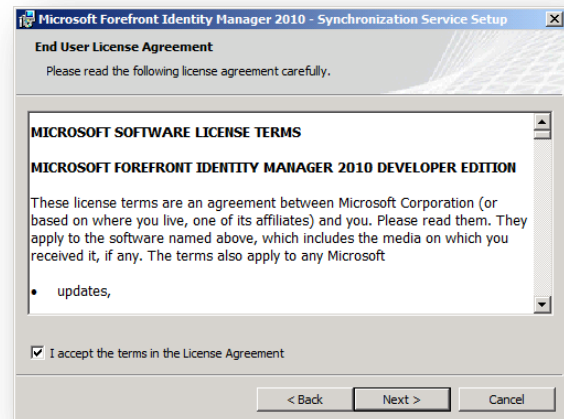
Steps	Description	Screenshots
1.	Double click Splash.htm from the install media disk Click Install Synchronization Service <i>This is the only component Live@EDU will require to maintain directory synchronization</i>	
2.	On the Welcome dialog window.. Click Next..	

Steps	Description	Screenshots
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3. On the End User License Agreement

Check **I accept the terms in the license Agreement..**

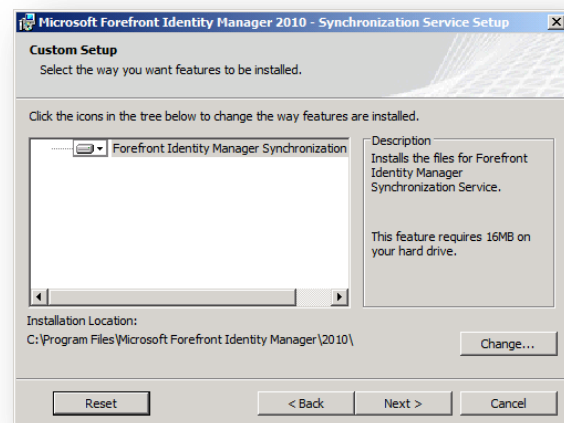
Click **Next..**



4. On the Custom Setup window..

Confirm the Installation location is correct for you environment

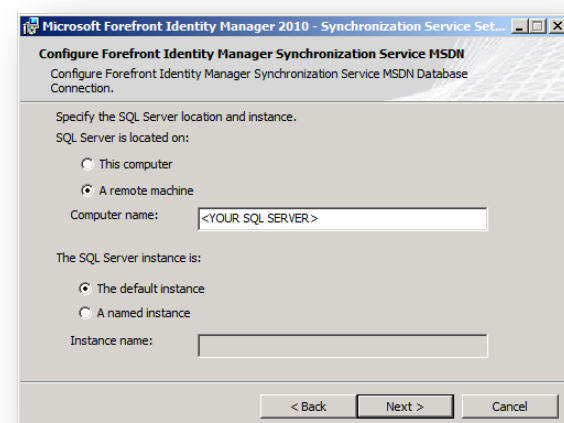
Click **Next..**

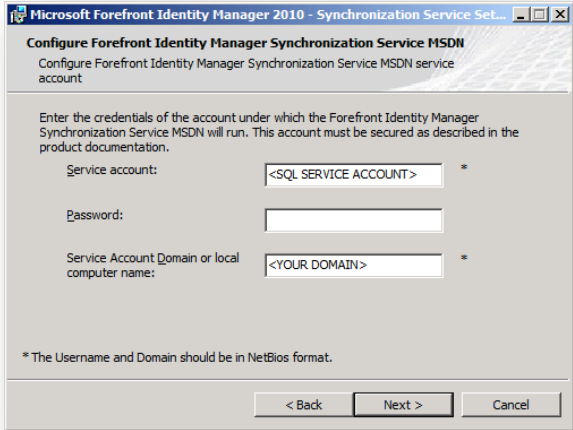
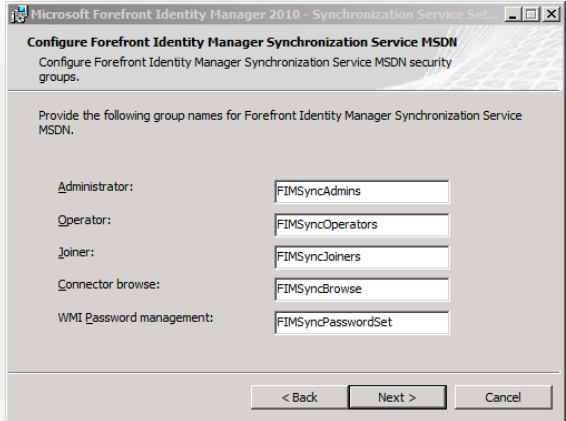
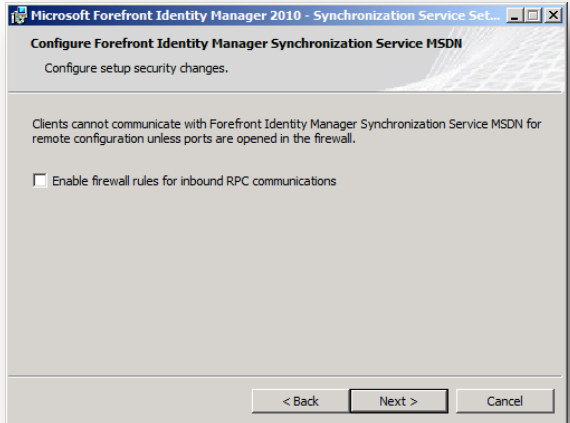


5. Configure Forefront SQL Database..

Please specify your remote machine SQL server name..

If you have an instance name rather than the default instance please enter this in the appropriate field..

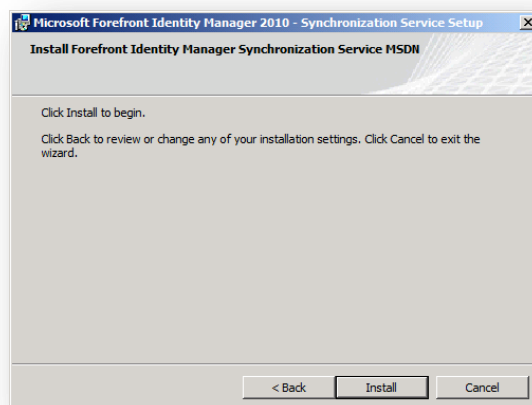


Steps	Description	Screenshots
6.	Configure Forefront SQL Service Account.. Please specify your Service account.. Please specify your Service password.. Please specify your Domain.. Click Next..	
7.	On the Security Groups.. Click Next.. This will create the security groups locally on this server..	
8.	Forefront Firewall configuration.. If you require external access from client connections then please check the Enable firewall rules for inbound RPC communications.. Click Next..	

Steps	Description	Screenshots
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9. On the installation confirmation

Click **Install..**



10. On the encryption key setup wizard...

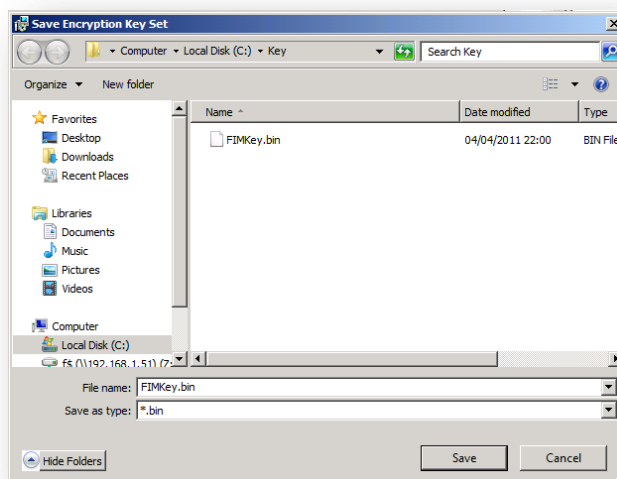
Click **OK..**



11. On the Save Encryption Key Set..

Save this key to a secure path..

Click **Save..**



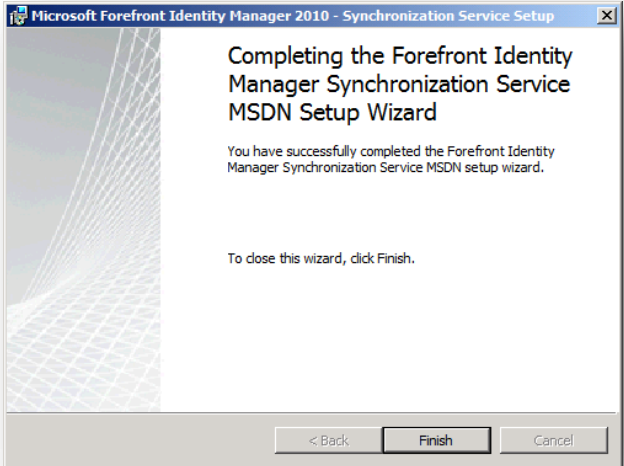
Steps	Description	Screenshots
12.	On the completion wizard.. Click Finish ..	

Table 1: Installing Forefront Identity Manager 2010 in a Standalone Configuration

3 Installing GALSync R4 on Forefront Identity Manager 2010

3.1 Pre-requisites

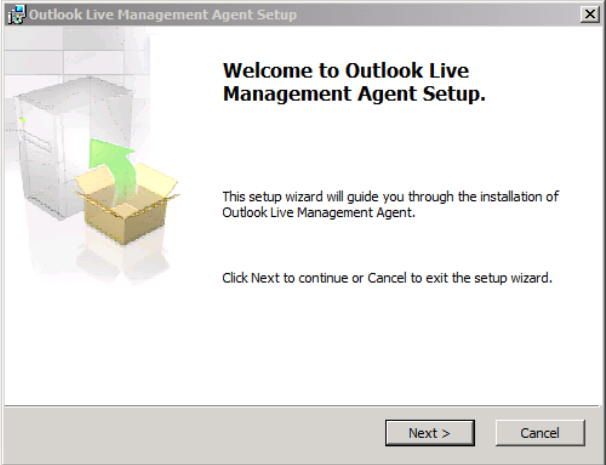
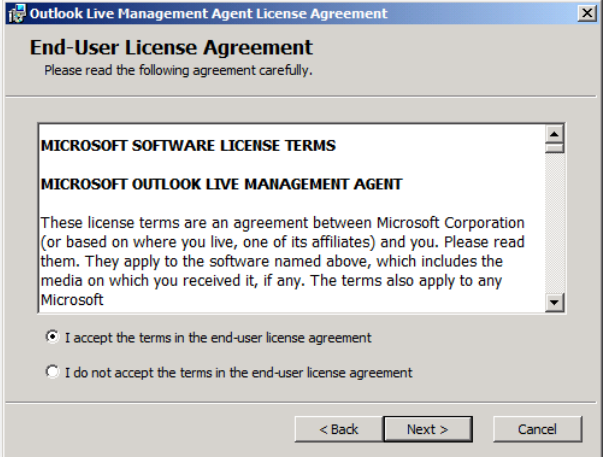
The following list details the requirements before configuring the operating system

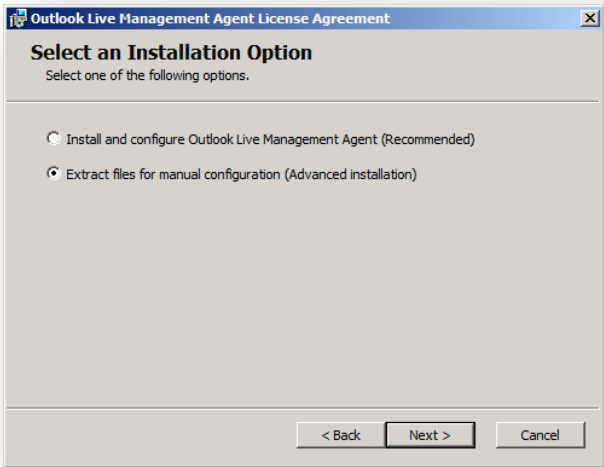
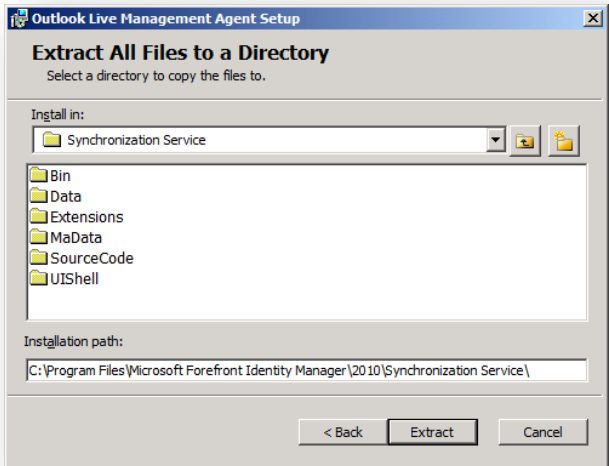
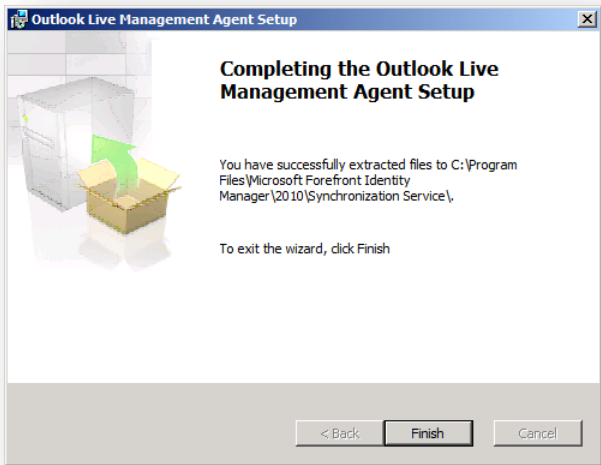
- Forefront Identity Manager 2010 Synchronisation Service.

3.2 Installation

To Install GALSync on Forefront Identity Manager 2010 for Live@EDU follow the steps below

3.2.1 Installing Forefront Identity Manager 2010

Steps	Description	Screenshots
1.	On the Welcome to Outlook Live Management Agent Setup.. Click Next ..	
2.	On the End-User License Agreement.. Click Next ..	

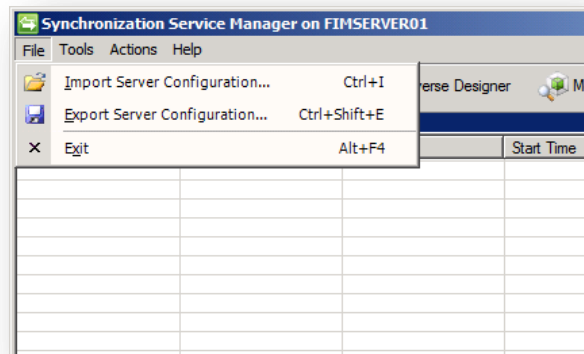
Steps	Description	Screenshots
3.	On the Installation Option dialog.. Click Extract files for manual configuration (Advanced installation) Click Next..	
4.	On the Extract All Files to a Directory.. Browse to your FIM Synchronization Service Directory Click Extract..	
5.	On the Completing the Outlook Live Wizard.. Click Finish..	

Steps	Description	Screenshots
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6. Start Forefront Synchronization Service Manager

Click **File..**

Click **Import Server Configuration..**

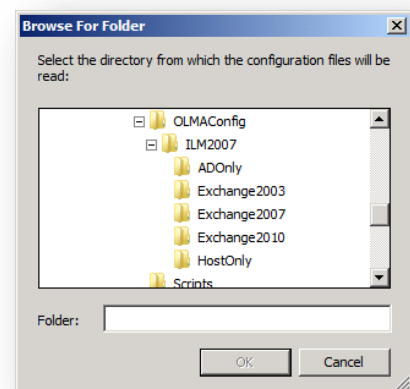


4. On the Browse For Folder dialog box

Navigate to:

C:\Program Files\Microsoft Forefront Identity Manager\2010\Synchronization Service\SourceCode\OLMAConfig\ILM2007\..

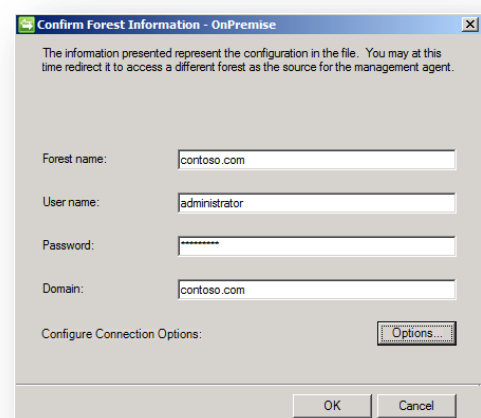
Select the appropriate Exchange version for you environment or ADOnly if no Exchange is present..



5. On the Confirm Forest Information - OnPremise dialog box

Populate the box with the appropriate credentials.

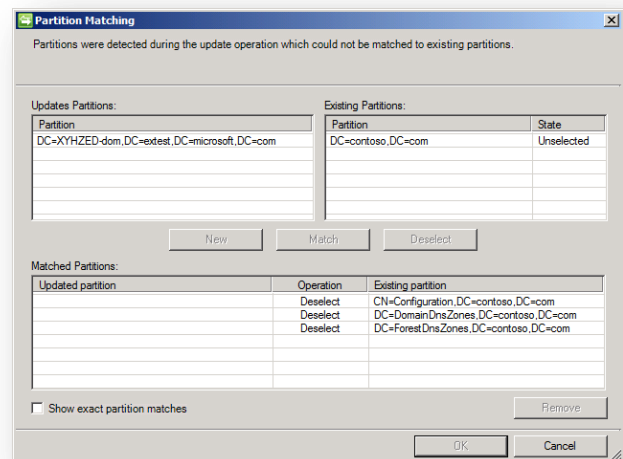
We will confirm these settings later in the installation procedure.



Steps	Description	Screenshots
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6. In the next screen, you will configure the screen as follows

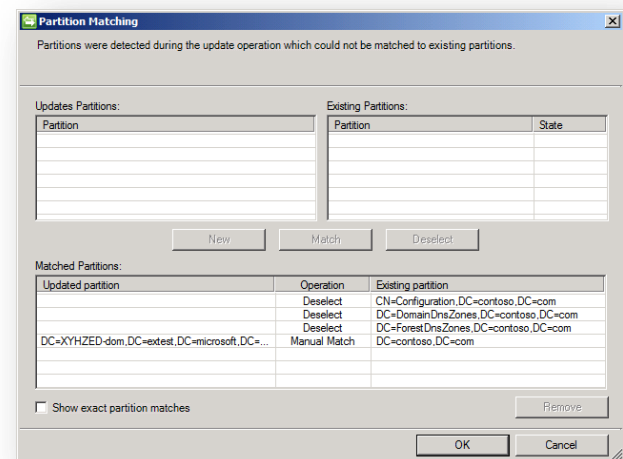
Deselect all the partitions except for DC=<your domain>, DC=<your domain



7. Highlight the partition and click **Match..**

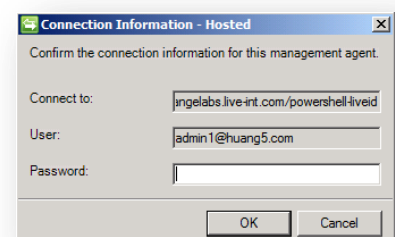
Your configuration should match the screenshot but with your correct domain details.

Click **OK..**



8. Connection Information screen – Hosted

Enter any password into the box and we will manually correct the information later.



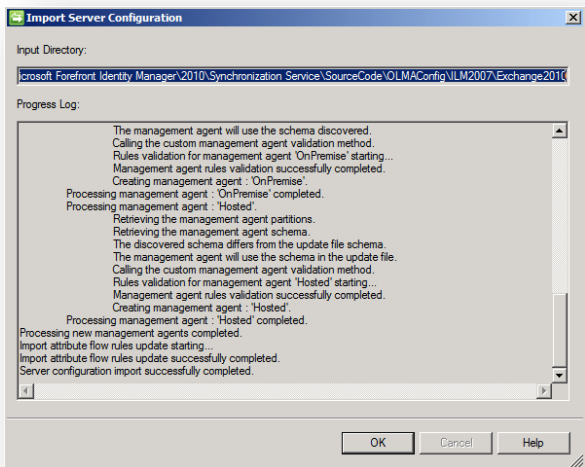
Steps	Description	Screenshots
9.	On the results dialog you should have a succesfull import of both management agents Processing management agent: On-Premise 'completed' Processing management agent: Hosted 'completed' Click OK..	

Table 2: Installation of Windows Server 2008 x64 Hyper-V Role

4 Configuring GALSync R4 on Forefront Identity Manager 2010

4.1 Pre-requisites

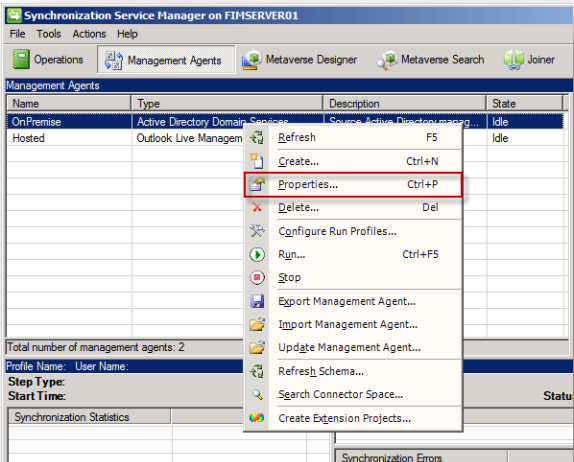
The following list details the requirements before configuring the operating system

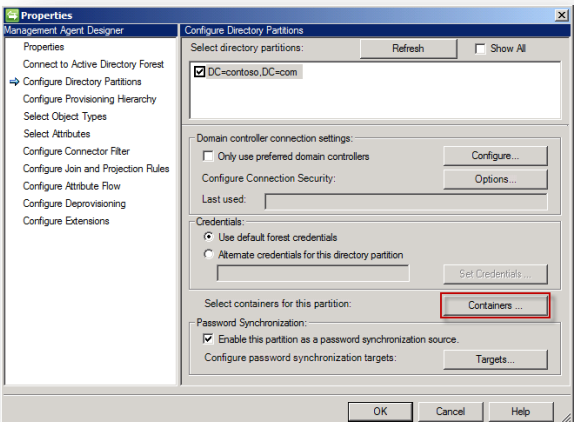
- Forefront Identity Manager 2010 Synchronisation Service.
- Successful installation of GALSync R4

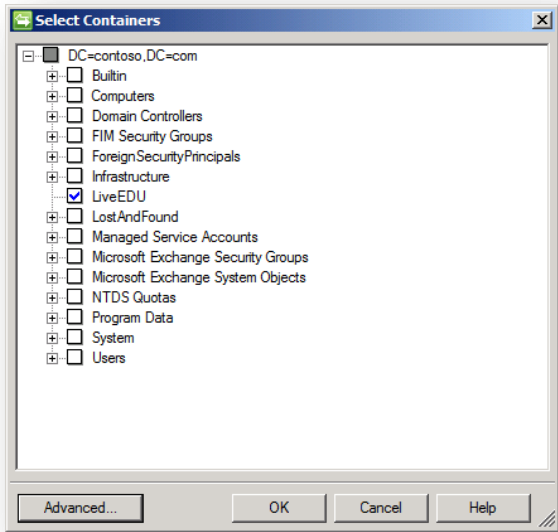
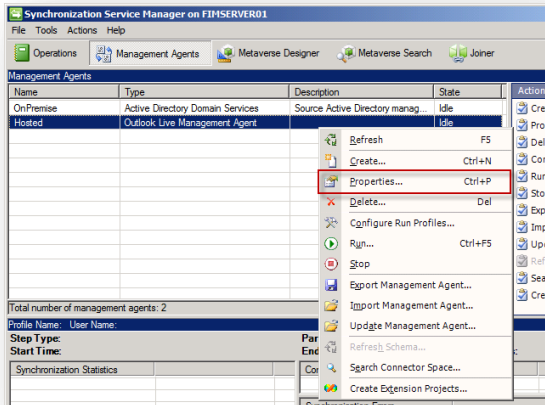
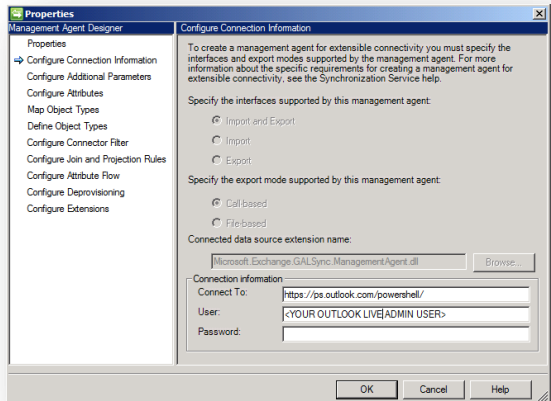
4.2 Configuration

To configure GALSync R4 on Forefront Identity Manager 2010 for Live@EDU follow the steps below

4.2.1 Configuration of GALSync R4 on Forefront Identity Manager 2010

Steps	Description	Screenshots
1.	On the Synchronization Service Manager window Click Management Agents from the ribbon bar Right Click the <i>OnPremise management agent</i> Click Properties..	

2.	On the Properties dialog Select Configure Directory Partitions.. Click Containers.. button	
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Steps	Description	Screenshots
3.	On the Select Containers dialog.. Click the OU where your Live@EDU Users/Group objects reside In the example LiveEDU OU is selected Click OK..	
4.	Click Management Agents from the ribbon bar Right Click the <i>Hosted management agent</i> Click Properties..	
5.	On the Properties dialog Select Configure Connection Information.. On the Connection information box; Connect To: https://ps.outlook.com/powershell/ User: <Your Outlook Live Admin User> Password: <Your Outlook Live Admin Password> <i>Note: The Outlook Live Admin user you created in your tenant will need Organization Management Role assigned in the Exchange Control Panel.</i>	

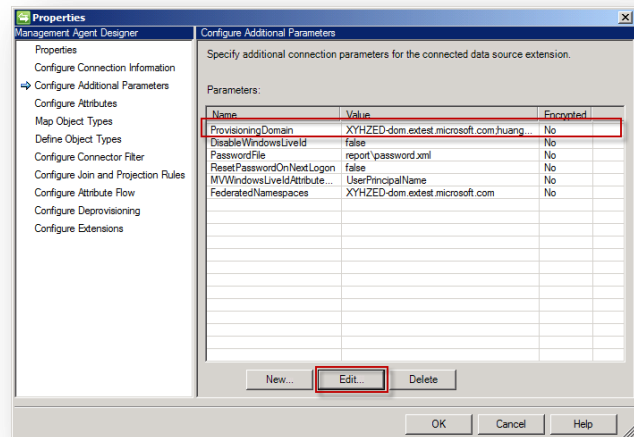
Steps	Description	Screenshots
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6. On the Properties dialog..

Select **Configure Additional Parameters..**

Highlight **ProvisioningDomain** Parameter

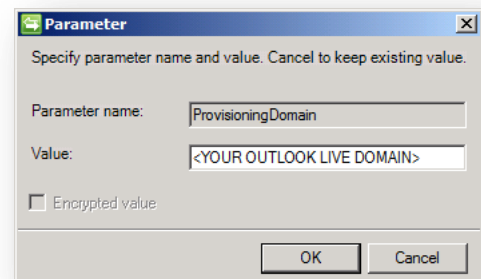
Click **Edit..**



7. On the Parameter popup dialog..

Value: **<Your Outlook Live Domain>**

Here you need to enter your outlook live domain <i.e live.contoso.com>



8. On the Properties dialog..

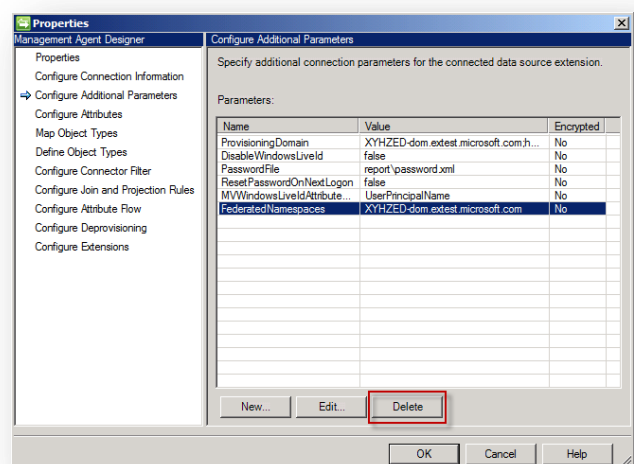
Select **Configure Additional Parameters..**

Highlight **FederatedNamespaces** Parameter

If you have a federated namespaces then please enter this information

Click **Edit** or **Delete** where applicable

Click **OK..**



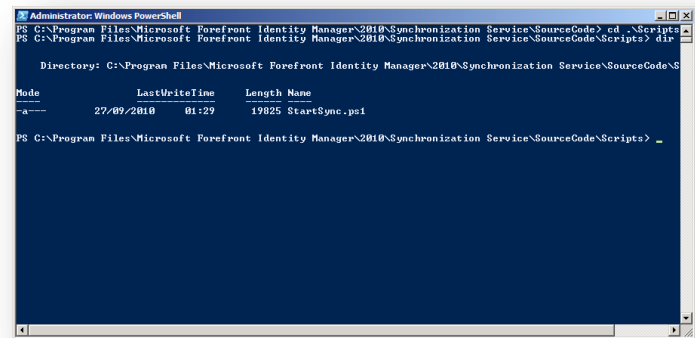
Steps	Description	Screenshots
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9. Start Windows Powershell..

Navigate to the following directory
C:\Program Files\Microsoft Forefront Identity Manager\2010\Synchronization Service\Sourcecode\Scripts

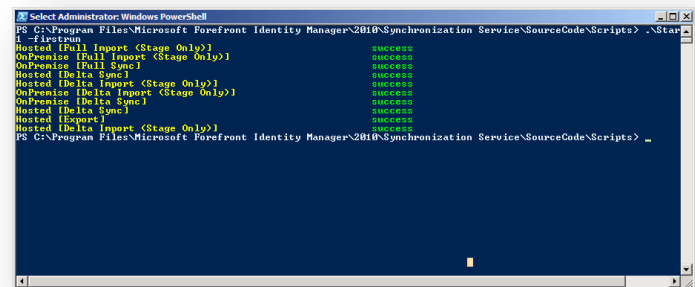
Run the following commands;

Set-ExecutionPolicy UnRestricted
StartSync.ps1 -firstrun



10. Completion..

If you have all the correct information entered into the management agents then you should get a succesfull synchronisation to outlook live



5 Skills and Training Resources

The tables in this appendix list the suggested skill assessment resources available.

The resources listed are those provided by Microsoft, this list is not exhaustive;

5.1 Forefront Identity Manager 2010 Resources

For further information on Microsoft Forefront Identity Manager 2010, see

<http://www.microsoft.com/forefront/identitymanager/en/us/default.aspx>

Skill or Technology Area	Resource Location	Description
FIM 2010 Techcenter	http://technet.microsoft.com/en-us/library/ff602041(WS.10).aspx	The technical documentation library for FIM 2010

Table 3: FIM 2010 Resource Locations

5.2 Live@EDU Resources

For further information on Live@EDU, see

<http://help.outlook.com/>

Skill or Technology Area	Resource Location	Description
Live@EDU Administrator Techcenter	http://help.outlook.com/en-us/140/cc325687.aspx	The technical documentation library for Administrators of Live@EDU

Table 4: Live@EDU Resource Locations