Pre-Requisite
- Windows Fabric 3.1 CU2 (included in the package)

Supported Platforms and SDK
Development Only
- Client OS – Windows 8, 8.1
- Server OS : 2012, 2012 R2
- Azure SDK 2.4 Only
- .NET 4.5

Deployments
- Server OS : 2012, 2012 R2
- Azure OS Families : 3.x, 4.x
- Azure SDK 2.4 Only
- .NET 4.5

Installation
- Uninstall any previous versions of Windows Fabric (FabAct only works with the included Windows Fabric version)

- Install Windows Fabric 3.1 CU2 (WinFab-3.1-CU2\WindowsFabric.3.1.1383.9488.msi)

- Install Windows Fabric 3.1 CU2 SDK (WinFab-3.1-CU2\WindowsFabricSDK.3.1.1383.9488.msi)

- Unzip WinFab-3.1-CU2\Tools.zip folder from the drop to Tz tu fnE s wf   oepxt bcs d ppmt

- Copy FabricActSdk folder from the drop to Tz tu fnE s wf   bcs d duTEL

  If you want to install the FabricActSDK to some other location, you must set an environment variable called bc duTel bui to the location of the FabricActSDK folder; for the Visual Studio tools and SDK tools to work correctly. This variable must b e defined at the machine level.

  The following installation steps are required if you are going to create an Azure cluster, for the local only development thi

issues please check the **Help section**). Once the cluster is created, close the powershell Window.

The script by default installs Windows Fabric in `D. gEfwDmvtufr` folder. The default data and log folders are `D. gEfwDmvtufs Ebub` and `D. gEfwDmvtufs ph`. The location for the data folder can be configured using `bcs dEbubSppu` argument to the script above and the location for the log folder can be configured using `bcs d phSppu` argument. `bcs dEbubSppu` stores data from Windows Fabric system services as well as data from user services. The FabricLogRoot location stores Windows Fabric diagnostics logs. It is recommended that you configure `bcs dEbubSppu` to be on a different drive (preferably SSD) from `bcs d phSppu`.

At this point you should have a working cluster on your machine. You can connect to the cluster using the `o bcFy mpsfs` tool included in the drop (`ppmt oepxt bcs d ppmt o bcFy mpsfs`) that should provide you visualization of the cluster and applications within it. Once you connect to the local cluster using the tool, every node in the left hand navigation should be green. If the nodes are either Yellow or Red, hit refresh and in few minutes they should all be green. If not, see Help.

Cleaning the Local Development Cluster

To clean the local development cluster which removes all of the deployed application and removes the cluster from the local machine, run the following command from an Aministrator powershell window. Please make sure that this is run from a new Powershell Window and that all other powershell Windows are closed.

- Launch a new powershell window as Administrator

- Navigate to `bcs d duTEL DmvtufsTfuv pdbm` folder

- Run `DmfboDmvtufs t2` script.

Once you clean the cluster, you can set it up again by following instructions in Setup a Local Development Cluster section.

Setup an Azure Cluster

Ensure that you have followed the instructions under heading "Installation Required for Creating Azure Cluster" in the Installation section.

- Create an Azure cloud service that will provides the virtual machines that will be part of the Windows Fabric cluster. You can create the Azure Cloud Service by using the Azure management portal or Powershell.

- Create a storage account for uploading diagnostics information from the cluster.

- Open `vsf poTfdvsfDmvtufs tmo` file from `bcs d duTel DmvtufsTfuv vsf poTfdvsf` folder.

- Modify the `Dmvtufs bo gftu ynm` file by putting the diagnostics storage account information in relevant sections. Search for "`T fd gzAdpoofdu poAtus ohAupA vsfAtupsbhfAbddpvouAcfmpx`" text and follow the instructions to add storage account information.

- Copy `Dmvtufs bo gftu ynl` from this location to `sphsbn mft dsptpguATELt vsf F ATEL w c o mvh ot oepxt bcs d`. You can overwrite the existing ClusterManifest.xml

- Build and Deploy the Cloud Service created in the first step.

- Once all role instances are ready, you should be able to connect the cluster in another 5-10 minutes using either powershell or WinFabExplorer. Please use `>zpvsdmpvdetfsw df dmpveb ofu.20000` as the connection address.

Cleaning the Azure Cluster

Simply delete the Azure Cloud service or the deployment using management portal or powershell.

Uninstallation
- Clean the cluster by following the instructions in "Cleaning the Local Development Cluster" section.

- Uninstall Windows Fabric and Windows Fabric SDK through "Add/Remove Programs"

Help

Answers to some of the common issues:

1. **During cluster setup, "Connecting to the cluster" times out**

   Depending upon the machine, sometimes the system services may take time to initialize. Wait for few minutes and try to reconnect.

   - Close the existing powershell window
   - Reopen a new powershell window (as administrator)
   - Type: "Connect-WindowsFabricCluster"

   This should now succeed. If not. Please contact the Windows Fabric team through the PaaS V2 Tech Preview Yammer Group.

2. **I want to clean and start over**
   - Clean the current cluster setup by following instructions in Cleaning Cluster section.

3. **I get and error: "The type initializer for ..'System.Fabric.Common.AppTrace' threw an exception"**
   Please log out and log back in. After installation sometimes the path is not set correctly, logging out and logging back in would refresh the user environment which would pull in the necessary path variables.

Support Contact

Please use the Yammer Next Gen PaaS Preview Group if you have any question/issue.