

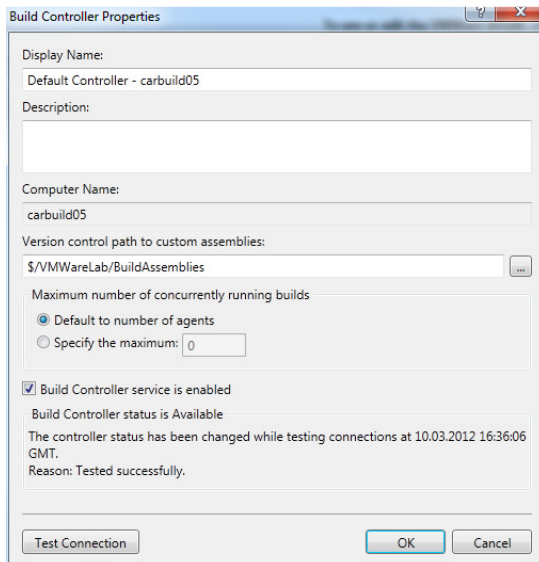
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VMWare Lab Default Template documentation

1. Setup and configuring the workflow

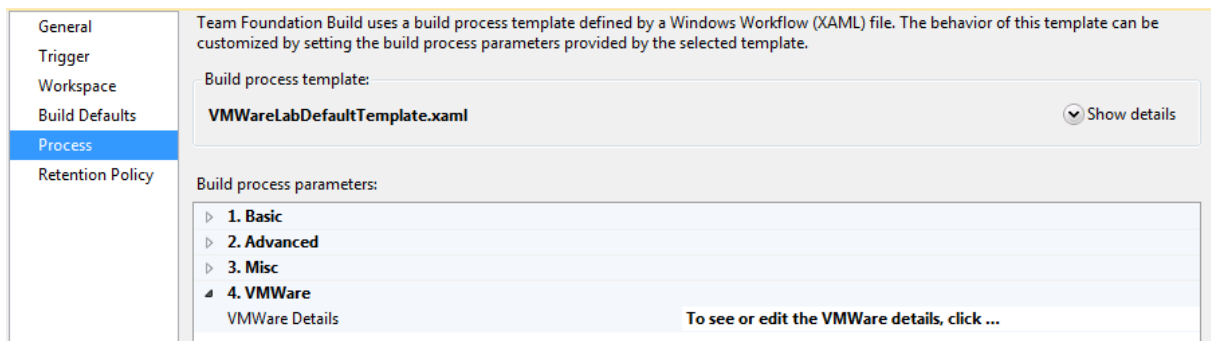
1. To run a VMWare lab build check-in the VMWareLabDefaultTemplate.xaml into the source control (example: `$/<projectName>/BuildProcessTemplates`).
2. Check in to source control the following assemblies:
 - a. VMWareActivities.dll
 - b. VMWareLabWorkflowsDataContracts.dll
3. Specify the custom assembly path for the build controller by right clicking on the Builds node in the Team Explorer window and selecting Manage Build Controllers.
4. In the Build Controller Properties window set the Version Control path that contains the assemblies that are used by the VMWare Lab Build Process Template.



5. On the Build menu, click New Build Definition.
6. Select VMWareLabDefaultTemplate.xaml from the drop-down list for Build process file.

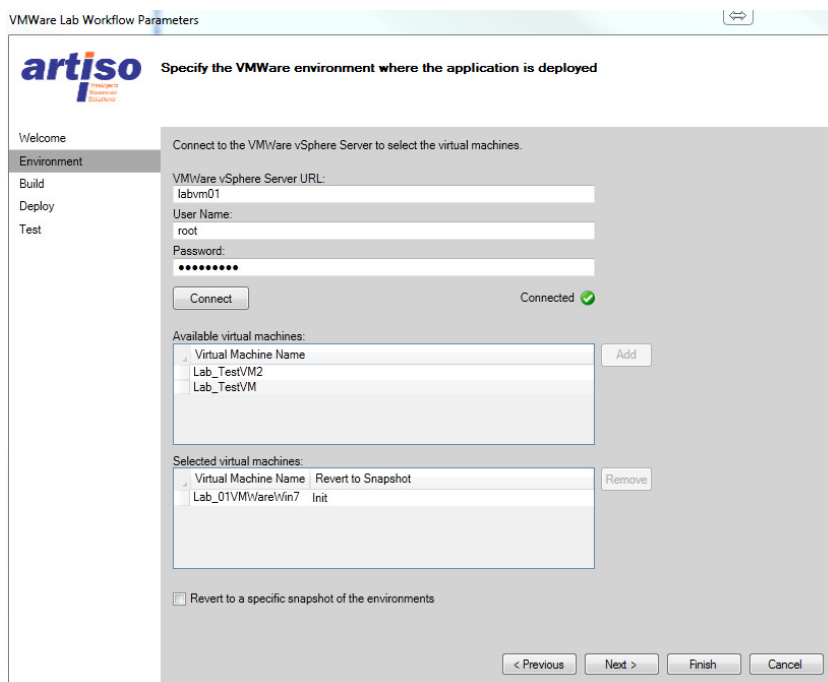
2. VMWare Lab Workflow Parameters wizard

The VMWare lab workflow parameters wizard provides an editor to configure the VMWareLabDefaultTemplate. Here you can select the VMWare virtual machines which will be reverted to a snapshot, the build which will be used, the deployment of the build output and the test which will be run. To access the wizard select process in the build definition, expand the VMWare section and select the VMWare details row. Click on the button with the tree dots ("...").



The VMWare lab parameters wizard appears.

2.1. Environment details



The Environment details window lets you select the virtual machines which will be reverted to a specific snapshot during the build before the deployment and testing.

Selecting the virtual machines:

1. Connect to the vSphere server by providing the vSphere server URL, a user name and password.
2. Select the virtual machines which you want to reset to a snapshot from the available virtual machines grid.
3. Specify a snapshot in the selected virtual machines grid by clicking on the revert to snapshot column and selecting the snapshot name from the drop down list.
4. Check the revert to a specific snapshot of the environment check box.

2.2. Build details

In the build window you can queue a new build or select an existing one.

- Select the build definition: Name of the build definition to be queued.
- Queue a new build: Indicates whether a new build should be queued.
- Select an existing build: Selects an existing build or the latest build run.
- Build configuration to deploy and test the application: Selects the configuration (ex: Debug, Retail) and platform (ex: x86, x64) of the build definition.
- Use a build from a specific location: Provide a specific location for the build.

2.3. Deployment details

VMWare Lab Workflow Parameters

artiso Specify how to deploy the build on the selected environment

Welcome
Environment
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☒ Deploy the build

The deployment scripts and optional arguments will be run in the order that is shown in the following list. You can add new scripts along with optional arguments (for example, \$(BuildLocation)\myscript argument1). If you use Windows shell commands, begin the commands with cmd /c (for example, cmd /c mkdir C:\MyDeploymentDirectory).

Build Agent Name	Path to Executable	Arguments
Default Agent - 01vmwarewin7	cmd.exe	/c copy \$(BuildLocation)\

Add Delete

☒ Take a snapshot of the environment after deploying the build

Snapshot name: SnapshotAfterDeploy

< Previous Next > Finish Cancel

The deployment window contains scripts that perform the deployment. Each script is of the format
BuildAgentName # PathToExecutable # Arguments

Example: AgentName # cmd.exe # /c copy \$(BuildLocation)\install.exe C:\Temp

- Build Agent Name – Name of the build agent on the machine where the script should be executed. You can check the build agent name from 'Builds -> Manage Build Controllers' in Visual Studio.
- Path to Executable – File path to the executable that needs to be executed. This can contain the macro \$(BuildLocation) which will be substituted by the value of BuildLocation workflow argument.
- Arguments – Arguments to be passed to the executable. \$(BuildLocation) macro is allowed.

The "Deploy the build" checkbox indicates whether deployment should be performed.

The "Take snapshot of the environment after deploying the build" checkbox indicates whether a snapshot of the selected environments should be performed after a successful deployment. The name of the snapshot will be the provided snapshot name plus the build number of the current build.

Example: MySnapshotName_BuildNumber

2.4. Test details

VMWare Lab Workflow Parameters

artiso Specify the test cases to run in the environment

Welcome
 Environment
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☒ Run these tests in the environment
 Select the test plan:
 BDT Test Plan
 Select the test suites:
 BDT Test Plan
 Select the test configuration:
 Windows 7 and IE 8
 Select the automated test settings:
 Automated Test Settings
 Select the environment:
 VMWare Lab

< Previous Next > Finish Cancel

In the test section you can specify which test will be run.

Following parameters can be selected:

- Run these tests in the environment: Indicates whether tests are to be run.
- The test plan.
- The test suites for the test.
- The test configuration.
- The automated test settings.
- The test environment.