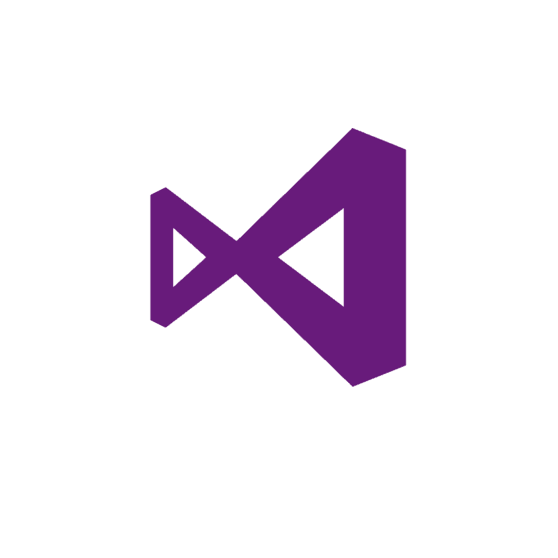
**Hands-On Lab/Demo Script**

**Java Development on Linux with Visual Studio Team Services**

# Exercise 6: Setting up Build agent

Lab version: 1.1.0

Last updated: 3/7/2016



In this exercise, you will configure a VSTS Cross Platform Build & Release Agent on the local machine. The software is already downloaded, you just need to configure it. You can find more information at <https://github.com/Microsoft/vso-agent> and addition instructions related to configuration around account and role settings at <https://github.com/Microsoft/vso-agent/blob/master/docs/vsts.md>. The user account you use for running builds will need the correct permissions. VSTS is flexible is managing these permissions for production scenarios. For now, you’ll just do a quick configuration.

## Setting up Agent Pool permissions on VSTS

1. In your VSTS Account, click the Admin cog in the upper right corner.

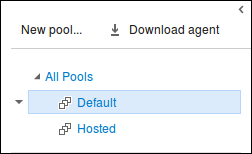


VSTS opens a new browser tab at your Team Project profile.

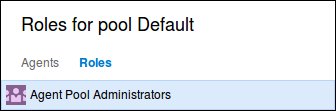
1. Click the **Control panel** link and select the **Agent pools** tab.

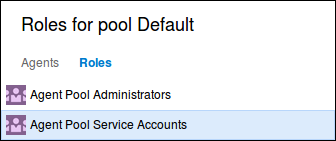


1. In the **All pools** list, make sure you’ve selected **Default (Default)**.



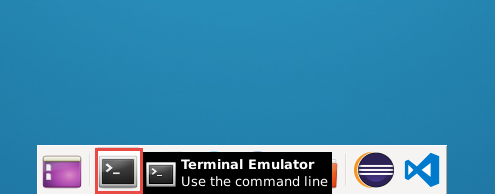
1. Then click **Roles** under **Roles for pool Default**. Select **Agent Pool Administrators**.



1. Click the **Add** button. Type your name in and click **Save changes**.
2. Repeat the same for **Agent Pool Service Accounts**.   
   
3. Click the **Add** button. Type your name in and click **Save changes**.
4. You can close the “admin” tab in your browser.

## Configuring the local agent on the VM instance

1. Now, open a Terminal window from the shortcut panel at the bottom

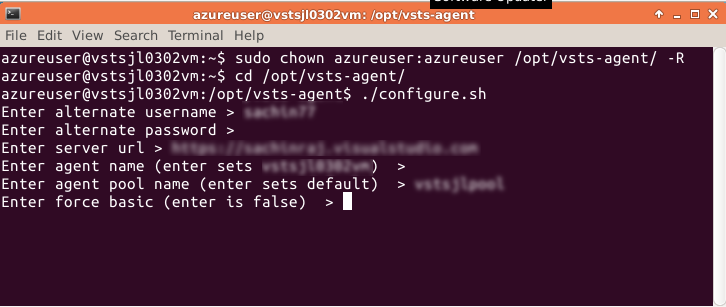


1. Type the following command

***sudo chown <username>:<groupname> /opt/vsts-agent –R***

where username and groupname is the user name that you have chosen for the instance.

1. Type **/opt/vsts-agent/run.sh** command to run the script.
2. You will be prompted enter a number of items. Enter your **alternate username** followed by your **alternate** **password**. For the **server URL**, type the full address of your VSTS account ([*https://abc.visualstudio.com*](https://abc.visualstudio.com)). For the **agent name, agent pool name**,and **force basic**, you can accept the defaults.



The agent will run until you stop it by pressing Ctrl +C and/or shutdown the VM.

**Note**: You will need to configure the agent only once. To run the agent, use **./run.sh** at the terminal window. To reconfigure the agent settings, use the **./configure.sh** script.

You’ll need to restart the agent manually each time you restart the VM. In a production situation you could configure the agent to start automatically as a daemon. You’ll find notes on how to do this at the GitHub site for the agent listed earlier.

You can now run the build definition using the agent you have setup instead of the **hosted** agent.

To give feedback please write to [devopsdemos@microsoft.com](mailto:devopsdemos@microsoft.com)

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