Accelerate

“What’s new in Azure Infrastructure: Using Open Source and Other Technologies”

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| --- | --- | --- | --- |
| Create a Linux image via SUSE Studio | | |  |
| 1 | Logon on to SUSE Studio Website to create a SUSE Linux Enterprise Server image <https://susestudio.com/>  Select Sign in |  |  |
| 2 | Create a new Novell account, or select your  authentication method |  |  |
| 3 | If the Sign-in page is showed, supply your User name and Password. And select Login |  |  |
| 4 | At the SUSE Studio base template page, select Gallery |  |  |
| 5 | At the Gallery page, search for **Azure** and press Enter |  |  |
| 6 | Select SLES11 SP3 for Windows Azure |  |  |
| 7 | Now you are in the SLES 11 SP3 for Windows Azure page.  Select Clone Appliance |  |  |
| The image is now copied to your SUSE Studio area. Now you can change/add/remove components. | |  |  |

|  |  |  |
| --- | --- | --- |
| Add Apache WebServer RPM package to your SUSE Linux image | | |
| 1 | Select the Software Tab |  |
| 2 | Select search and fill in: **apache** |  |
| 3 | Select +add (The Apache webserver is added to the image) |  |
| Add a single file (index.html) to the SUSE Linux image. | | |
| 1 | Select Files Tab |  |
| 2 | Select Add from the web(URL)… and select enter location:  https://github.com/robert-bakker/AccelerateLab/blob/master/LabFiles/SuseLab/index.html |  |
| 3 | After upload, select the Check Box of index.html |  |
| 4 | Select Move/Rename  File name=index.html Path= /srv/www/htdocs  Select Move & Rename |  |
| Build the final SUSE Linux image | | |
| 1 | Select Build Tab |  |
| 2 | Select default format (Microsoft Azure (.vhd)) |  |
| 3 | Select Build (The images is being build….)  (~ 10 minutes build time) |  |
| Setup your Azure credentials in SUSE Studio to transfer the SUSE Linux to Microsoft Azure | | |
| The SUSE Linux image is ready to be transferred to the Microsoft Azure Portal. For the authentication you need to fill in your Azure credentials in SUSE Studio. | | |
| 1 | On the Build TAB, select Upload |  |
| 2 | On the Windows Azure page, select Manage credentials |  |
| 3 | On the Windows Azure page, select Download your settings file and save file on disk |  |
| 4 | Close the current page, and go back to the Windows Azure page and select upload your settings file |  |
| 5 | Select the downloaded Credentials file from the location where you have downloaded in step 3 |  |
| 6 | Select your Azure Storage Service and Save changes |  |
| 7 | Select  Return to [SUSE Studio's Azure dashboard](https://susestudio.com/azure)... |  |
| Upload SUSE Linux image to Microsoft Azure | | |
| The SUSE Linux image is ready to be transferred to Microsoft Azure Portal | | |
| 1 | Select Upload icon  (~ 10 minutes build time) |  |
|  | | |
|  | | |
| 2 | When the upload is finished, now you can go to the Microsoft Azure Portal |  |
|  | | |
|  | | |
| Create Virtual Machine on Azure | | |
| The SUSE Linux image is ready on Microsoft Azure Portal. Now create a new virtual machine based on the SUSE Linux Enterprise Server image which | | |
| 1 | Create a Virtual machine and follow the next steps OR make use of your PowerShell scripts |  |
|  | | |
| 2 | Virtual machine configuration.   * Fill in your Virtual Machine Name * Select Basic TIER * Size A0 * New User Name = azureuser   + Uncheck AUTHENTICATION   + Check PROVIDE A PASSWORD   + NEW PASSWORD = Mslinux123   + CONFIRM = Mslinux123   Create a HTTP End Point Port:   * HTTP port 80 | S |
| Login to Linux image via SSH and start Apache Server | | |
| When the Virtual machine is started in Azure, start an SSH terminal session to logon the Linux image | | |
| 1 | Download putty from the Internet. This application provides SSH terminal facilities. | http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html |
| 2 | Start Putty an provide your Azure Linux DNS name and select connect | Accept the Security warning |
| 3 | Login to the SUSE Linux server | Login as: **azureuser**  Password: **Linux1234** |
| 4 | Start Apache Server which serves our index.html file which we uploaded earlier  $ sudo /etc/init.d/apache2 start  Password: Mslinux123 |  |
| 5 | Now the Apache WebServer has been started, you can browse to your Website. | http://yourname.net |

# At home: Resources to continue learning

By participating in today’s event you will have exclusive access to download the presentation, step-by-step setup guidance, and latest online training and demos at [aka.ms/itinnovationresources](http://www.aka.ms/itinnovationresources).

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| Resources | What you’ll learn |
| Event presentation. | Today’s presentation on “What’s new in Azure Infrastructure: Improving Datacenter Flexibility with Microsoft, Open Source and Other Technologies.” |
| Step-by-step guidance (attendee guide) | This document guides you through today’s instructor-led and individual activities, and provide you with the key resources and information necessary to continue building your skills to be able to implement in your environment. |
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