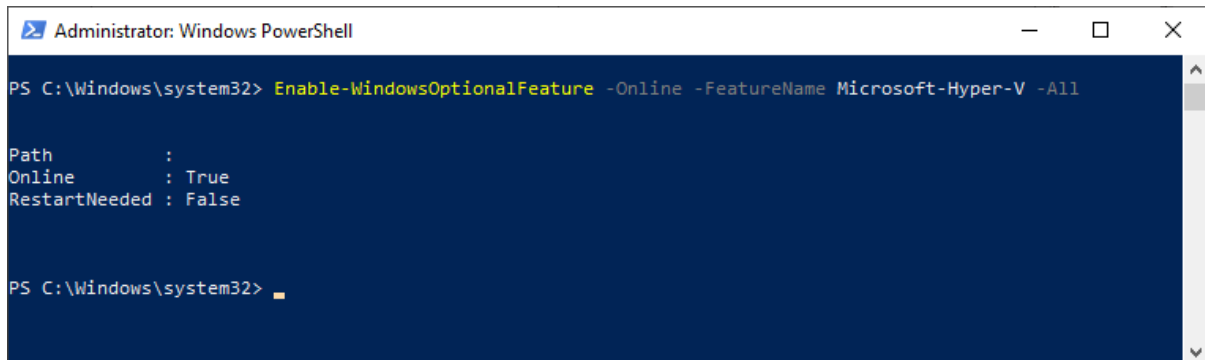


Enable Hyper-V using PowerShell

Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V -All



```
Administrator: Windows PowerShell

PS C:\Windows\system32> Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V -All

Path      :
Online    : True
RestartNeeded : False

PS C:\Windows\system32>
```

Add External VM switch in Hyper-V:

<https://docs.microsoft.com/en-us/virtualization/hyper-v-on-windows/quick-start/connect-to-network>

Add Nat switch (internal):

<https://docs.microsoft.com/en-us/virtualization/hyper-v-on-windows/user-guide/setup-nat-network>

New-VMSwitch -SwitchName "Nat" -SwitchType Internal

<https://docs.okd.io/3.11/minishift/getting-started/preparing-to-install.html>

<https://www.youtube.com/watch?v=SUh2mRqDRi4>

Documentation / OKD 3.11 / Minishift / Getting Started / Preparing to Install Minishift



The screenshot shows the Minishift documentation page. The breadcrumb trail is 'Documentation / OKD 3.11 / Minishift / Getting Started / Preparing to Install Minishift'. The left sidebar contains a navigation menu with items like 'Using Images', 'CLI Reference', 'Ansible Playbook Bundle Development Guide', 'Operators', 'API reference', 'CRI-O Runtime', and 'Minishift'. Under 'Minishift', there are sub-items: 'Overview', 'Getting Started', and 'Preparing to Install Minishift' (which is highlighted with a red box). The main content area is titled 'Preparing to Install Minishift' (also highlighted with a red box) and has a sub-header 'Overview'. The text describes how to install Minishift and lists five steps: 1. Set up your virtualization environment, 2. Download Minishift software for your operating system from the Minishift Releases page (highlighted with a red box), 3. Install Minishift, 4. Start Minishift, and 5. Configure Minishift so you can use it efficiently. At the bottom, it notes that the setup procedure should be run as a regular user with permission to launch virtual machines.


v1.34.3


Latest


Tasks

- Issue [#3469](#) (task) - Windows 10 minishift v1.34.2 - Stuck in SSH cmd err loop on start
- Issue [#3482](#) (task) - Bump centos iso to v1.17.0
- Issue [#3480](#) (task) - Update xpaas addons


▼ Assets 8

 [minishift-1.34.3-darwin-amd64.tgz](#)


 [minishift-1.34.3-darwin-amd64.tgz.sha256](#)

 [minishift-1.34.3-linux-amd64.tgz](#)

 [minishift-1.34.3-linux-amd64.tgz.sha256](#)

 [minishift-1.34.3-windows-amd64.zip](#)

 [minishift-1.34.3-windows-amd64.zip.sha256](#)

 [Source code](#) (zip)

Extract the zip to - C:\openshift\minishift-1.34.3-windows-amd64\minishift-1.34.3-windows-amd64

Add the path 'C:\openshift\minishift-1.34.3-windows-amd64\' to environment variables

Run **minishift start --vm-driver Hyper-V**

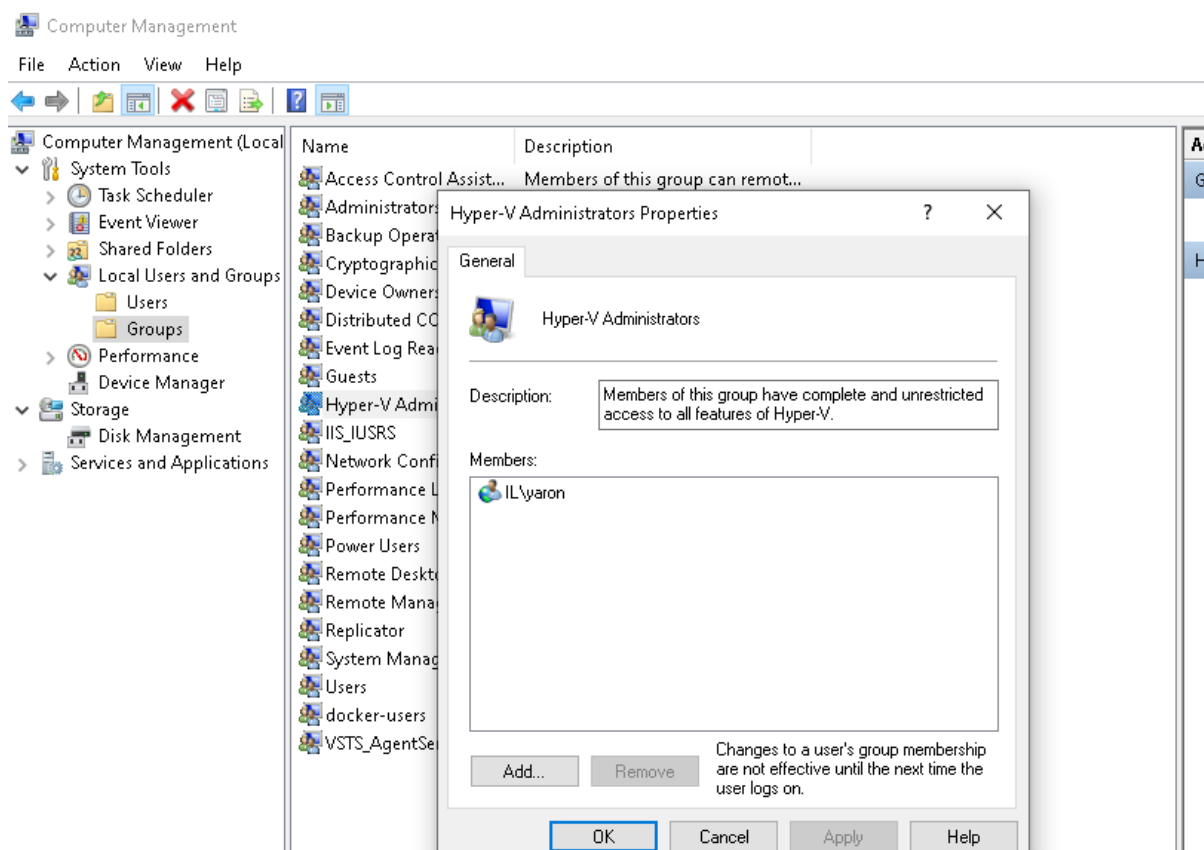
```
Administrator: Windows PowerShell
-- Starting profile 'minishift'
-- Check if deprecated options are used ... OK
-- Checking if https://github.com is reachable ... OK
-- Checking if requested OpenShift version 'v3.11.0' is valid ... OK
-- Checking if requested OpenShift version 'v3.11.0' is supported ... OK
-- Checking if requested hypervisor 'Hyper-V' is supported on this platform ... FAIL
See the 'Setting Up the Virtualization Environment' topic (https://docs.okd.io/latest/minishift/getting-started/setting-up-virtualization-environment.html) for more information
PS C:\Windows\system32>
```

minishift start --show-libmachine-logs -v5

```
Administrator: Windows PowerShell
PS C:\Windows\system32> minishift start --show-libmachine-logs -v5
-- minishift version: v1.34.3+4b58f89
-- Starting profile 'minishift'
-- Check if deprecated options are used ... OK
-- Checking if https://github.com is reachable ... OK
-- Checking if requested OpenShift version 'v3.11.0' is valid ... OK
-- Checking if requested OpenShift version 'v3.11.0' is supported ... OK
-- Checking if requested hypervisor 'hyperv' is supported on this platform ... OK
-- Checking if Powershell is available ... OK
-- Checking if Hyper-V driver is installed ... OK
-- Checking if Hyper-V driver is configured to use a Virtual Switch ...
  'Default Switch' ... OK
-- Checking if user is a member of the Hyper-V Administrators group ... FAIL
See the 'Setting Up the Virtualization Environment' topic (https://docs.okd.io/latest/minishift/getting-started/setting-up-virtualization-environment.html) for more information
PS C:\Windows\system32>
```

minishift setup (after adding Nat switch run again minishift setup)

```
Administrator: Windows PowerShell
PS C:\Windows\system32> minishift setup
User 'yaron' has been added to 'Hyper-V Administrators' group successfully.exit status 1
PS C:\Windows\system32>
```



If still problem with domain user:

```
minishift config set skip-check-hyperv-driver true
```

```
minishift start
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> minishift config set skip-check-hyperv-driver true
PS C:\Windows\system32> minishift start
-- Starting profile 'minishift'
-- Check if deprecated options are used ... OK
-- Checking if https://github.com is reachable ... OK
-- Checking if requested OpenShift version 'v3.11.0' is valid ... OK
-- Checking if requested OpenShift version 'v3.11.0' is supported ... OK
-- Checking if requested hypervisor 'hyperv' is supported on this platform ... OK
-- Checking if Powershell is available ... OK
-- Checking if Hyper-V driver is installed ... SKIP
-- Checking if Hyper-V driver is configured to use a Virtual Switch ... SKIP
-- Checking if user is a member of the Hyper-V Administrators group ... SKIP
-- Checking the ISO URL ... OK
-- Downloading OpenShift binary 'oc' version 'v3.11.0'
53.59 MiB / 53.59 MiB [=====] 100.00% 0s
-- Downloading OpenShift v3.11.0 checksums ... OK
-- Checking if provided oc flags are supported ... OK
-- Starting the OpenShift cluster using 'hyperv' hypervisor ...
-- Minishift VM will be configured with ...
Memory: 4 GB
vCPUs : 2
Disk size: 20 GB

Downloading ISO 'https://github.com/minishift/minishift-centos-iso/releases/download/v1.17.0/minishift-centos7.iso'
375.00 MiB / 375.00 MiB [=====] 100.00% 0s
-- Starting Minishift VM .....

```

Hyper-V Manager

File Action View Help

Hyper-V Manager

YARON-PC

Virtual Machines				
Name	State	CPU Usage	Assigned Memory	Uptime
minishift	Running	0%	1124 MB	00:01:31

minishift delete -f

minishift start

```
Administrator: Windows PowerShell

-- Checking if Powershell is available ... OK
-- Checking if Hyper-V driver is installed ... SKIP
-- Checking if Hyper-V driver is configured to use a Virtual Switch ... SKIP
-- Checking if user is a member of the Hyper-V Administrators group ... SKIP
-- Checking the ISO URL ... OK
-- Checking if provided oc flags are supported ... OK
-- Starting the OpenShift cluster using 'hyperv' hypervisor ...
-- Minishift VM will be configured with ...
  Memory: 4 GB
  vCPUs : 2
  Disk size: 20 GB
-- Starting Minishift VM ..... OK
-- Checking for IP address ... OK
-- Checking for nameservers ... OK
-- Checking if external host is reachable from the Minishift VM ...
  Pinging 8.8.8.8 ... OK
-- Checking HTTP connectivity from the VM ...
  Retrieving http://minishift.io/index.html ... OK
-- Checking if persistent storage volume is mounted ... OK
-- Checking available disk space ... 1% used OK
-- Writing current configuration for static assignment of IP address ... WARN
  Importing 'openshift/origin-control-plane:v3.11.0' . CACHE MISS
  Importing 'openshift/origin-docker-registry:v3.11.0' . CACHE MISS
  Importing 'openshift/origin-haproxy-router:v3.11.0' . CACHE MISS
-- OpenShift cluster will be configured with ...
  Version: v3.11.0
-- Pulling the OpenShift Container Image ..... OK
-- Copying oc binary from the OpenShift container image to VM ... OK
-- Starting OpenShift cluster ..... 
```

```
Administrator: Windows PowerShell

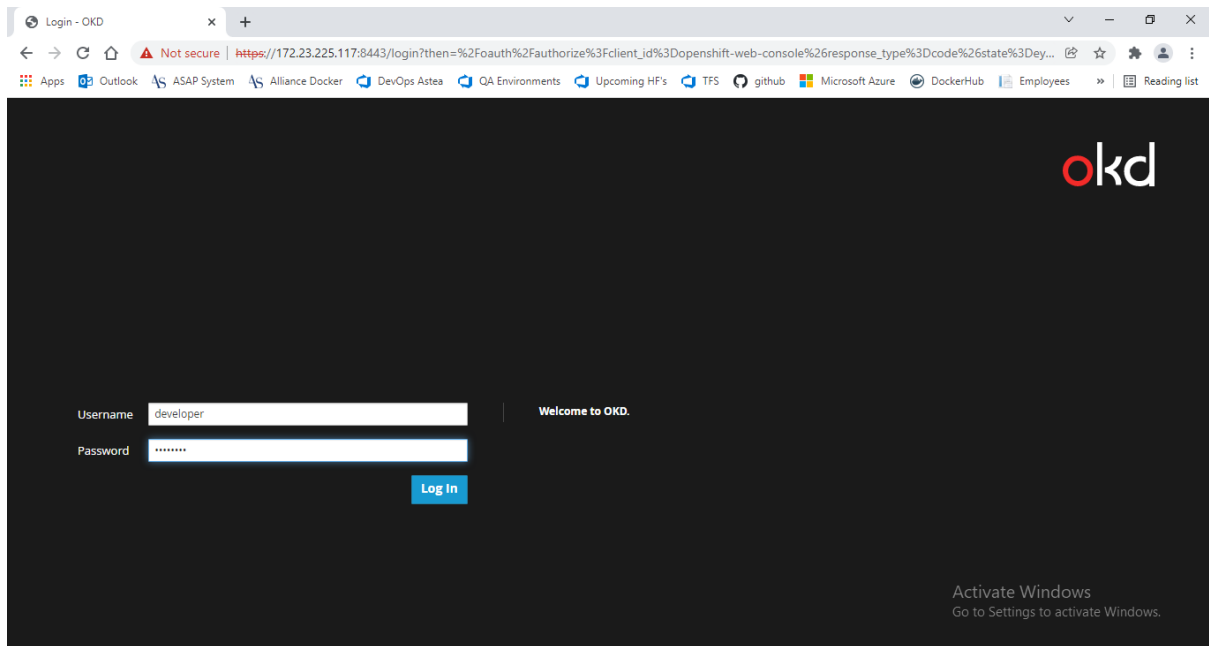
Adding router ...
Adding sample-templates ...
Adding persistent-volumes ...
I1230 09:00:07.188781 3481 interface.go:41] Finished installing "sample-templates/postgresql"
"sample-templates/rails quickstart" "sample-templates/jenkins pipeline ephemeral" "sample-templates/mongodb" "sample-templates/mysql" "sample-templates/cakephp quickstart" "sample-templates/dancer quickstart" "sample-templates/django quickstart" "sample-templates/nodejs quickstart" "sample-templates/sample pipeline" "sample-templates/mariadb"
I1230 09:00:32.895443 3481 interface.go:41] Finished installing "openshift-web-console-operator" "centos-imagestreams" "openshift-image-registry" "openshift-router" "sample-templates" "persistent-volumes"
Login to server ...
Creating initial project "myproject" ...
Server Information ...
OpenShift server started.

The server is accessible via web console at:
  https://172.23.225.117:8443/console

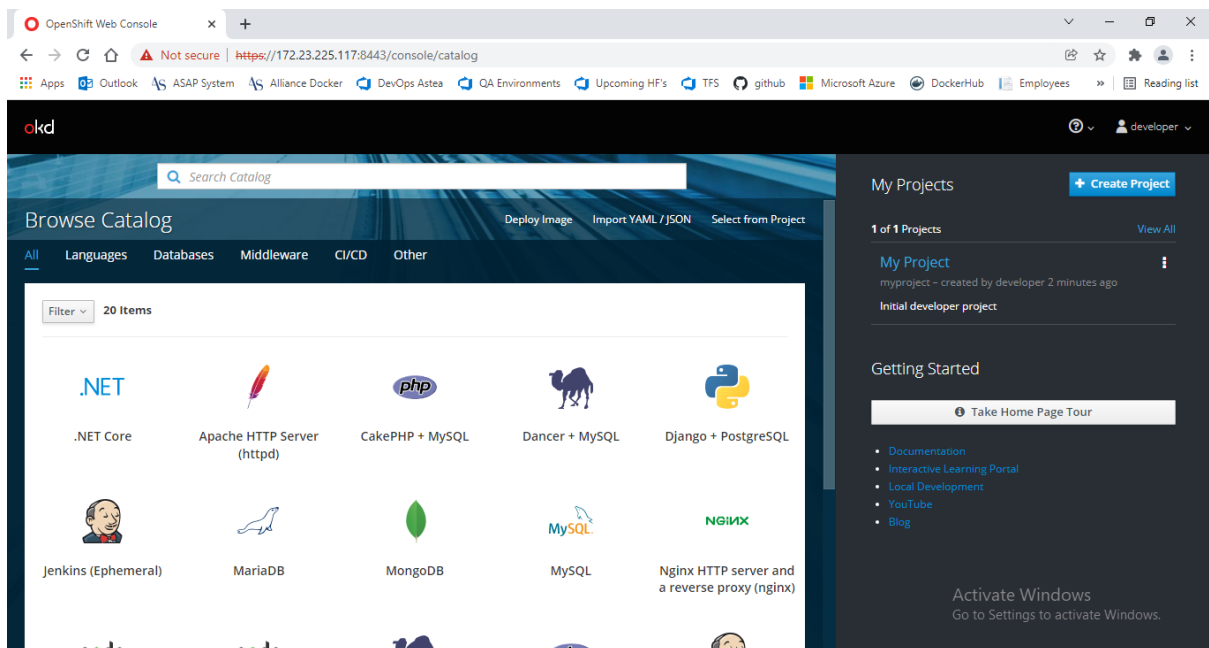
You are logged in as:
  User: developer
  Password: <any value>

To login as administrator:
  oc login -u system:admin

-- Exporting of OpenShift images is occurring in background process with pid 12740.
PS C:\Windows\system32> 
```



<https://172.23.225.117:8443/console/catalog>



User:developer

Password- any password