



Meeting Connector Controller

Quick Start Guide

July, 2015



Enabling Meeting Connector

<https://zoom.us/account/hybrid>

What is Meeting Connector?

- Meeting Connector allows an account owner or admin to deploy free, virtualized Zoom communication servers (VM) in your company network.
- Meeting traffic will traverse through your company's meeting connector.

How is Meeting Connector enabled?

- Meeting connector is free and can be enabled for Paid plans with more than 10 hosts such as Business or Education.

How do I upgrade to a Paid plan with more than 10 hosts?

- To upgrade to a Paid plan with more than 10 hosts, please click on "Billing".

How do I start?

- Once you have a Paid plan with more than 10 hosts, click on "Enable Meeting Connector" to download the OVF/VMDK.

[Learn More](#)

Enable Meeting Connector



Virtual Machine Downloads

<https://zoom.us/account/hybrid/download>

Token Download Monitoring Go Live

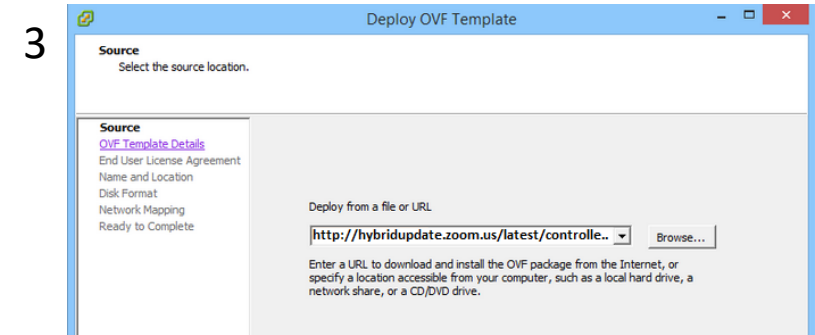
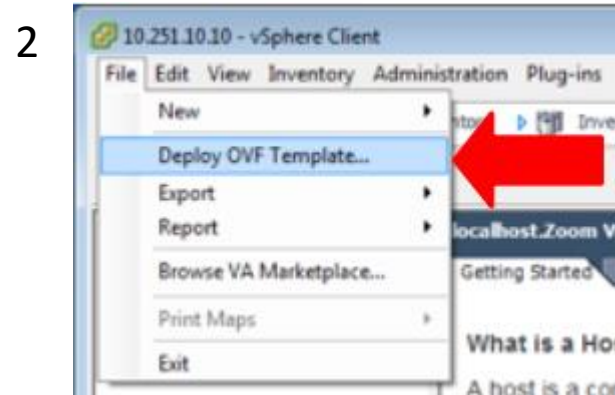
Controller VM

OVF file:
http://hybridupdate.zoom.us/latest/controller/Zoomus_Control_vapp_OVF09.ovf

VMDK file:
<http://hybridupdate.zoom.us/latest/controller/system.vmdk>

Deploying in vSphere

1. Launch vSphere
2. File > Deploy OVF Template...
3. Enter OVF URL from VM Downloads
4. Deploy
5. Launch the VM



Launch VM

Default Username and Password:
Username: root
Password: zoomvideo

```
Machine View Devices Help
Zoom Meeting Connector-Controller - 3.6.18911.0628
Welcome to use Zoom Meeting Connector-Controller
To manage this VM browse to https://192.168.128.54:5480/

*Login
Set Timezone (Current:UTC)

Use Arrow Keys to navigate
and <ENTER> to select your choice.
```

Change Password:

1. Login with root
2. Enter command: passwd
3. Enter new password
4. Confirm password

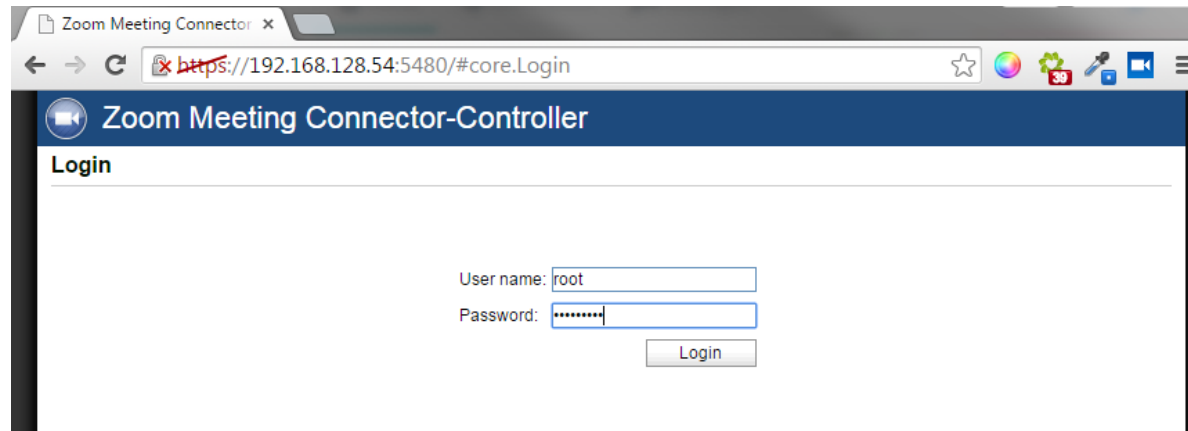
```
Controller login: root
Password:
[root@Controller ~]# passwd
Changing password for user root.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@Controller ~]# _
```



MC Controller Web Interface

Log in to web interface with URL provided on VM

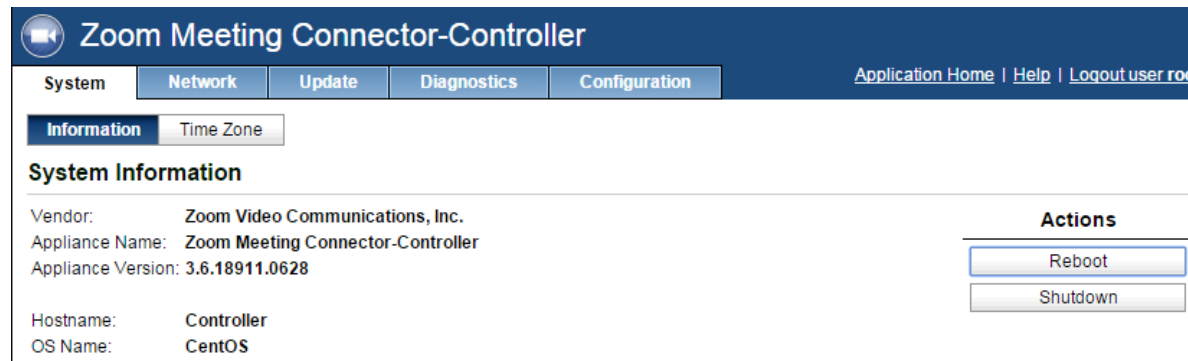
To manage this VM browse to `https://192.168.128.54:5480/`



Default Username and Password:

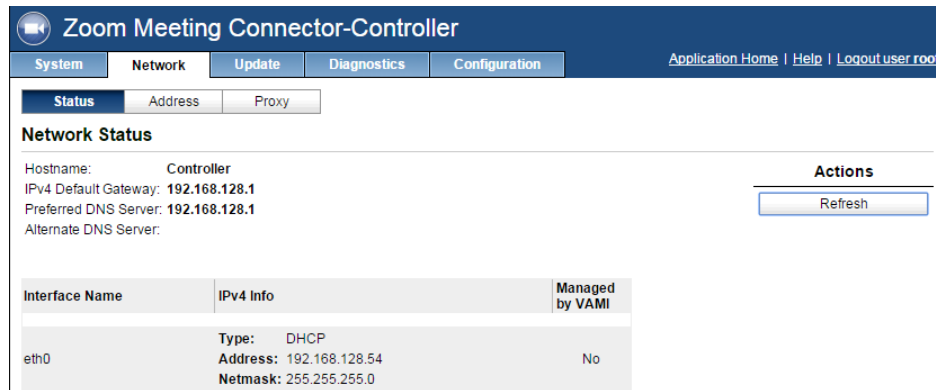
Username: root

Password: zoomvideo



Network Settings

The network interface will default to DHCP



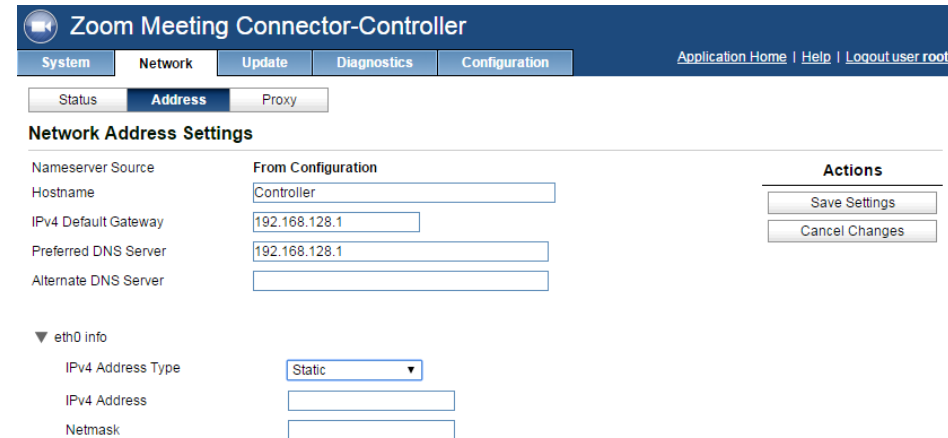
The screenshot shows the 'Zoom Meeting Connector-Controller' interface. The 'Network' tab is selected, and the 'Status' sub-tab is active. The 'Network Status' section displays the following information:

- Hostname: Controller
- IPv4 Default Gateway: 192.168.128.1
- Preferred DNS Server: 192.168.128.1
- Alternate DNS Server:

Below this information is a table showing network interface details:

Interface Name	IPv4 Info	Managed by VAMI
eth0	Type: DHCP Address: 192.168.128.54 Netmask: 255.255.255.0	No

There is a 'Refresh' button in the 'Actions' section.



The screenshot shows the 'Zoom Meeting Connector-Controller' interface with the 'Network' tab selected and the 'Address' sub-tab active. The 'Network Address Settings' section is displayed, showing the following configuration:

- Nameserver Source: From Configuration
- Hostname: Controller
- IPv4 Default Gateway: 192.168.128.1
- Preferred DNS Server: 192.168.128.1
- Alternate DNS Server:

Under the 'eth0 info' section, the IPv4 Address Type is set to 'Static'. There are input fields for IPv4 Address and Netmask.

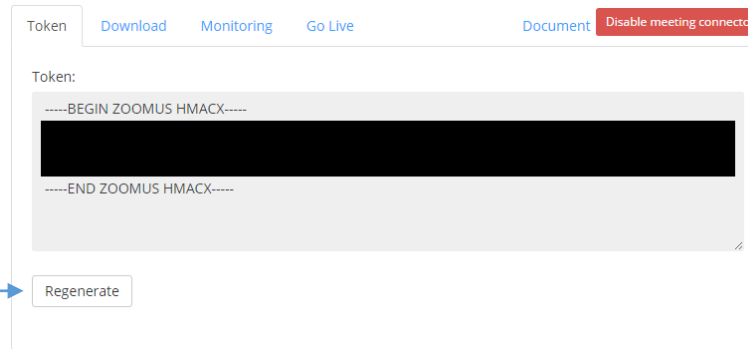
There are 'Save Settings' and 'Cancel Changes' buttons in the 'Actions' section.

Configure Network Settings for your VM

- Based on your preferred setup
 - Save Settings

Configuration

Copy token from <https://zoom.us/account/hybrid>

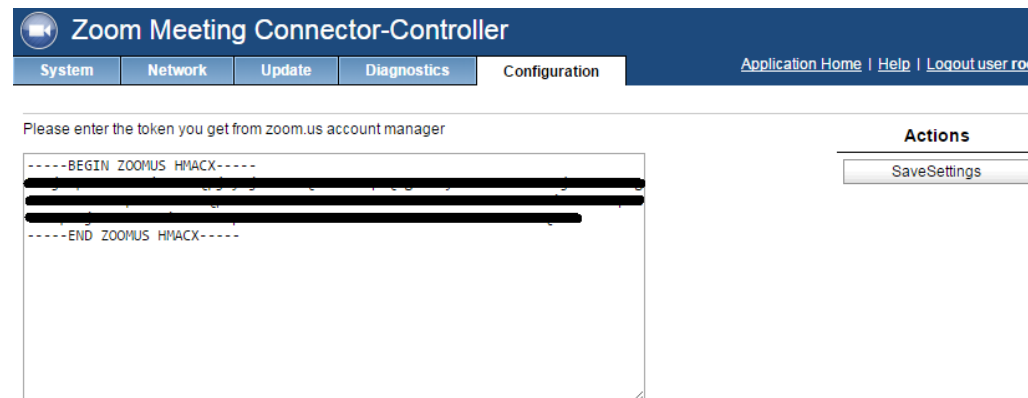


The screenshot shows the Zoom account manager interface. At the top, there are tabs for 'Token', 'Download', 'Monitoring', 'Go Live', 'Document', and a red button 'Disable meeting connector'. Below the tabs, the 'Token' section is active. It displays a token in a text area, which is partially obscured by a black redaction box. The token starts with '----BEGIN ZOOMUS HMACX----' and ends with '----END ZOOMUS HMACX----'. Below the text area is a 'Regenerate' button.

Regenerate Token if needed



Paste in to MC Controller Configuration and Save Settings



The screenshot shows the 'Zoom Meeting Connector-Controller' configuration page. The top navigation bar includes 'System', 'Network', 'Update', 'Diagnostics', and 'Configuration'. There are links for 'Application Home', 'Help', and 'Logout user root'. Below the navigation bar, there is a text prompt: 'Please enter the token you get from zoom.us account manager'. A text area contains the token, which is partially obscured by a black redaction box. To the right of the text area is an 'Actions' section with a 'SaveSettings' button.



Configuration

Controller IP Address

Controller1 IPv4 Address:

Controller2 IPv4 Address:

This server is deployed for: Controller1 Controller2

Configure external IP mapping

Enable port forward or 1:1 NAT for this server

Configure end-to-end encryption

Enable end-to-end encryption support for this server

The configuration details above will change depending on your network setup.
Choose your network option below to continue configuration:

[Port Forwarding](#)

[1:1 NAT](#)

[1:1 NAT with end-to-end encryption support](#)

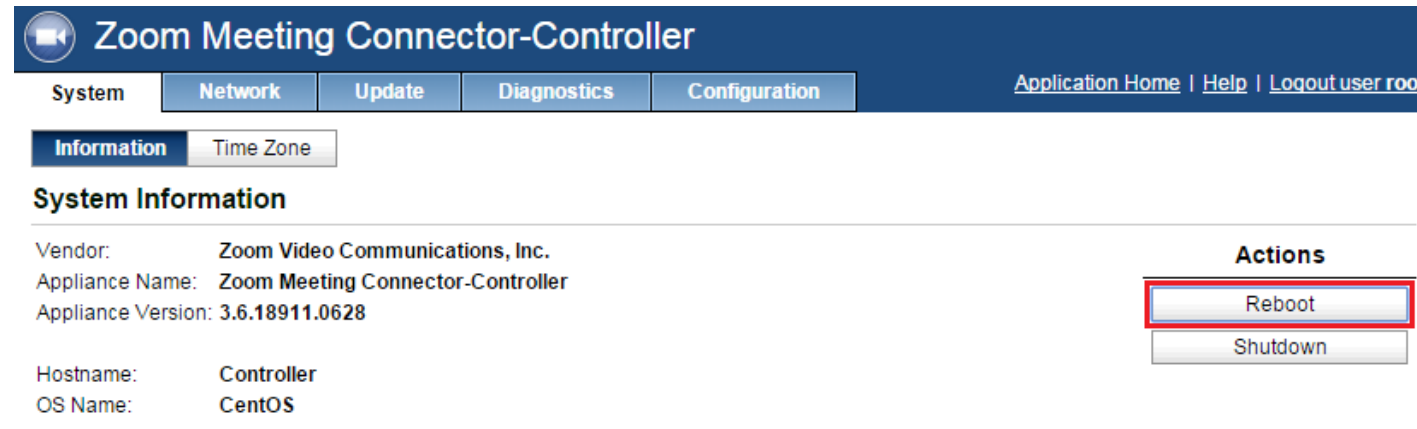
[Public or DMZ](#)

[Public or DMZ with end-to-end encryption support](#)



Save Settings and Reboot the VM

Once your configuration is complete, make sure to save settings and reboot the VM



The screenshot displays the web interface for the Zoom Meeting Connector-Controller. At the top, there is a navigation bar with a back arrow icon and the title "Zoom Meeting Connector-Controller". Below the title, there are several tabs: "System", "Network", "Update", "Diagnostics", and "Configuration". To the right of these tabs, there are links for "Application Home", "Help", and "Logout user root". Below the navigation bar, there are two sub-tabs: "Information" (which is selected) and "Time Zone". The main content area is titled "System Information" and contains the following details:

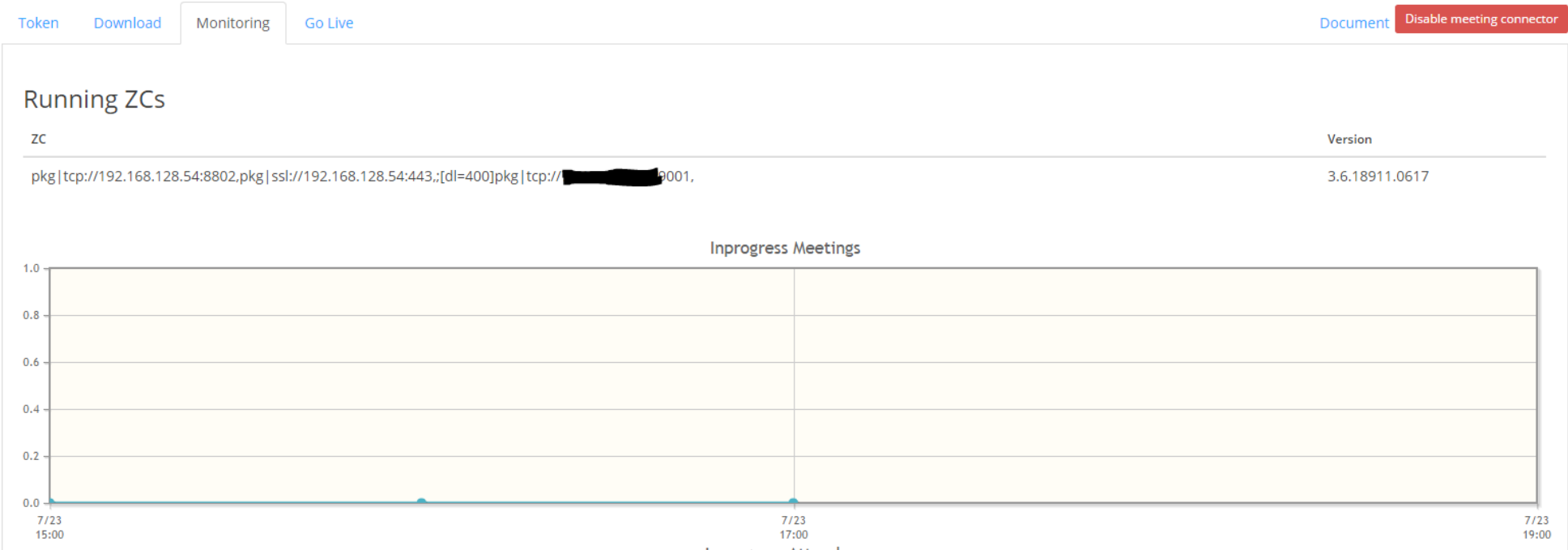
Vendor:	Zoom Video Communications, Inc.
Appliance Name:	Zoom Meeting Connector-Controller
Appliance Version:	3.6.18911.0628
Hostname:	Controller
OS Name:	CentOS

To the right of the system information, there is an "Actions" section with two buttons: "Reboot" and "Shutdown". The "Reboot" button is highlighted with a red rectangular border.

Check Zone Controller Status

Check Zone Controller Status at <https://zoom.us/account/hybrid/monitor>

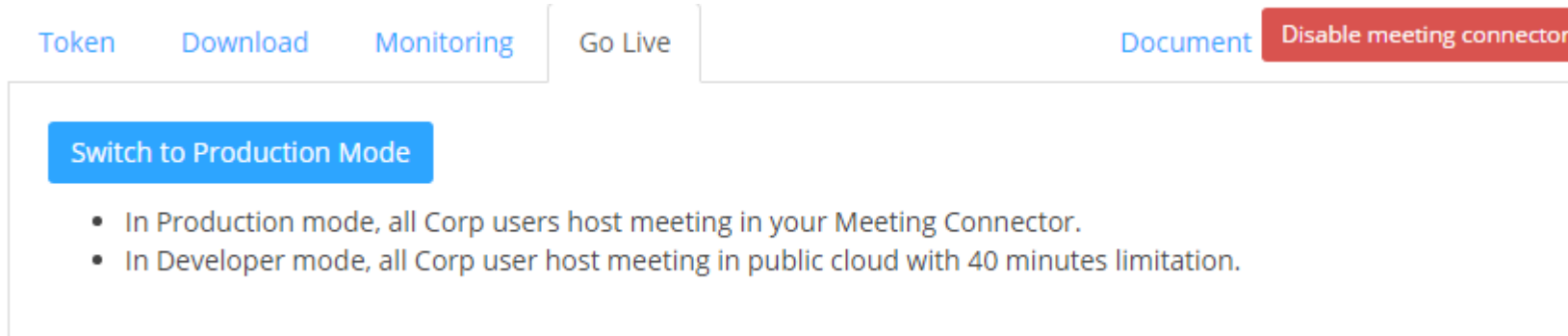
You should see one line for each Meeting Connector Controller you have running



Switch to Production

Once the Zone Controller status has been verified
you can switch the Meeting Connector to Production

<https://zoom.us/account/hybrid/golive>



The screenshot shows a navigation bar with the following items: Token, Download, Monitoring, Go Live, Document, and Disable meeting connector. The 'Go Live' tab is active. Below the navigation bar, there is a blue button labeled 'Switch to Production Mode'. Underneath this button, there is a list of two bullet points:

- In Production mode, all Corp users host meeting in your Meeting Connector.
- In Developer mode, all Corp user host meeting in public cloud with 40 minutes limitation.

Add Corp Users

1. Open [User Management](#)
2. Select Edit for the user
3. Change User Type to Corp and verify

<input type="checkbox"/>	Email/Name ID	First Name	Last Name	Role	Type	Department	Group	Client Version	Creation Date	
<input type="checkbox"/>	[REDACTED] (Gmail) [REDACTED] (Work Email)	Lukas	Haselwood	Owner	Pro Webinar			Jul 23, 5:26 PM 3.5.20521.0710 (win)	May 15, 2015	<input type="button" value="Edit"/>

Edit user

Email: [REDACTED] (Gmail)
[REDACTED] (Work Email)

User Type: Basic Pro Corp

Feature: Webinar Large meeting

Department:

<input type="checkbox"/>	Email/Name ID	First Name	Last Name	Role	Type	Department	Group	Client Version	Creation Date	
<input type="checkbox"/>	[REDACTED] (Gmail) [REDACTED] (Work Email)	Lukas	Haselwood	Owner	Corp Webinar			Jul 23, 5:26 PM 3.5.20521.0710 (win)	May 15, 2015	<input type="button" value="Edit"/>

Host a Meeting

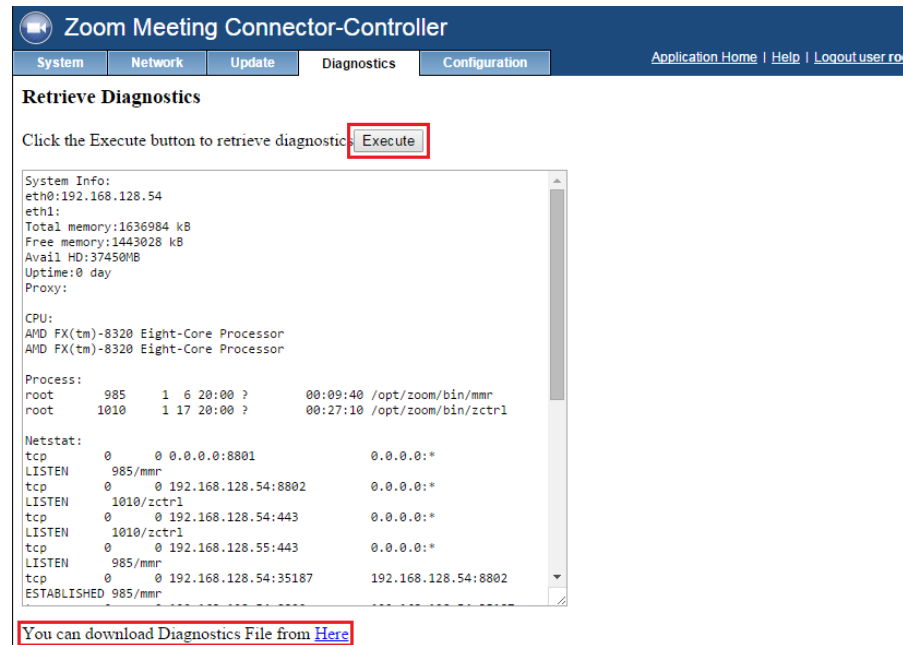
Your Corp user meetings will now be held on your On-Premise Meeting Connector



Diagnostics

You can generate and download the debug logs from the MC Controller web interface

- Execute logs
- Download logs
- Send to Zoom Support for assistance <https://support.zoom.us>



The screenshot shows the 'Zoom Meeting Connector-Controller' web interface. The 'Diagnostics' tab is selected, and the 'Retrieve Diagnostics' section is visible. An 'Execute' button is highlighted with a red box. Below the button, a text area displays system information, including network interfaces, memory usage, CPU details, process list, and netstat output. A red box highlights a link at the bottom that says 'You can download Diagnostics File from Here'.

```
System Info:
eth0:192.168.128.54
eth1:
Total memory:1636984 kB
Free memory:1443028 kB
Avail HD:37450MB
Uptime:0 day
Proxy:

CPU:
AMD FX(tm)-8320 Eight-Core Processor
AMD FX(tm)-8320 Eight-Core Processor

Process:
root    985    1 6 20:00 ?        00:09:40 /opt/zoom/bin/mmr
root    1010   1 17 20:00 ?        00:27:10 /opt/zoom/bin/zctr1

Netstat:
tcp     0      0 0.0.0.0:8801          0.0.0.0:*
LISTEN  985/mmr
tcp     0      0 192.168.128.54:8802  0.0.0.0:*
LISTEN  1010/zctr1
tcp     0      0 192.168.128.54:443   0.0.0.0:*
LISTEN  1010/zctr1
tcp     0      0 192.168.128.55:443   0.0.0.0:*
LISTEN  985/mmr
tcp     0      0 192.168.128.54:35187 192.168.128.54:8802
ESTABLISHED 985/mmr
```

You can download Diagnostics File from [Here](#)

Next Steps

- Deploy a second Controller VM for high availability
 - Deploy more MMR VMs for additional capacity
 - Add additional Corp users to your account
- Deploy a Recording Connector VM for on-premise Cloud Recording
 - Deploy a Broadcast VM for hosting on-premise Webinars