Cyfin® VM | Admin Guide
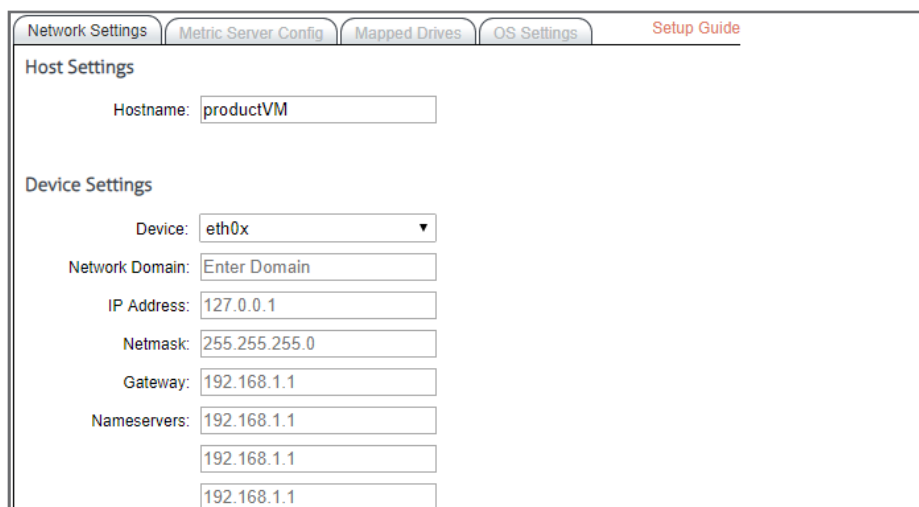
Advanced Employee Web-use Monitoring & Analytics

Important Information

- The .ova files were created with VMware and support ESXi 6.7 and greater, ESXi 6.0, and ESXi/ 5.5. See the table below. Ensure your hardware is compliant with the VMware requirements for your particular solution for optimal performance and reliability.
- The .ova files were tested with VMware using large log files and met product performance in processing speed and memory allocation. We support the VMware environment and fully tested the product in that environment. Our .ova files can be imported into many VM systems in the industry and work as described.
- Syslog data is written to the VM drive by default. Technical Support will assist you with your initial VM disk space and follow up within 7 days to determine actual storage needs.
- For **evaluation**, 1 Cyfin VM instance and 1 metric server VM instance can be set up using sample data from your production logs. The instructions for this setup are provided below.
- For **production**, the system is very flexible. Only 1 Cyfin VM instance and *x* metric server VM instances are needed, where *x* depends on your environment and performance needs. Contact Technical Support for a production setup recommendation.

STEP 1: Download and install the VM files.

- Download the Cyfin VMware VM .zip file and extract the files. You will see the following:
  - Cyfin folder containing the Cyfin VM .ova file
  - Metric Server folder containing the metric server VM .ova file
  - Cyfin VM Admin Guide
- Import the Cyfin and metric server .ova files into your VM environment.
- Verify that the allocated resources for your virtual machines are correct. See the table below for the default resource settings.
- Start the virtual machines.
  Note: If the VM does not start and a black screen appears, ensure that "3D Acceleration" is disabled in VMware, and then try to restart the VM.
- After the VM starts, the Wavecrest VM Configuration screen appears so that you can enter network information for each server. A Setup Guide link to the VM configuration steps below is also available.

STEP 2: Configure network settings for the Cyfin and metric server VMs.

Now you will configure the Cyfin and metric server VMs for your network.

- In the **Hostname** field, type a friendly name for the Cyfin VM.
- In the **Device** drop-down field, select the network device.
- In the **Network Domain** field, type the network domain name, e.g., internal.yourdomain.com.
- In the **IP Address** field, type a local IP address (IPv4 only) for the VM.
- In the **Netmask** field, type the subnet mask.
- In the **Gateway** field, type the default gateway IP address of your network.
- In the **Nameservers** fields, enter the IP address of your primary DNS server. If you have a secondary DNS server, enter that IP address and so forth.
- Click **Submit** to apply the configuration.
- Repeat these steps to configure the metric server VM.
- If you need to add more metric servers, repeat these steps for each one.

STEP 3: Set up the Cyfin VM array.

On the Cyfin VM server, configure the metric server.

- On the **Metric Server Config** tab, the **Index Grouping** field is prepopulated, and no changes are necessary.
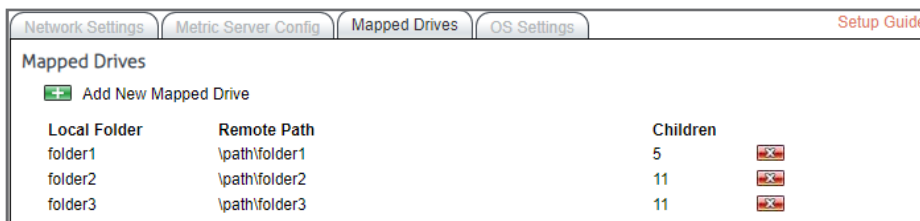

- Under **Metric Array**, click the green plus icon to add the metric server.
- Enter the IP address of the metric server that was used above.
- Click **Submit**.
- If necessary, repeat these steps to add more metric servers.

STEP 4: Add mapped drives for the Cyfin VM installation.

Mapped network drives may be set up to save reports and to access raw log files (non-syslog) from the network.

Note: In the list of mapped drives, the **Children** column may display 0 for the following reasons:

- The directory is empty.
- The directory contains log files, but the remote path is invalid. Recheck your mapped drive settings to ensure they are correct.

- On the **Mapped Drives** tab, click the **Add New Mapped Drive** green plus icon.

- In the **Local Folder** field, type a name for the new folder that you want to create for mapping.

- In the **Remote Folder** field, type the remote path for the mapped drive.
- In the **Username** field, type the network user name authorized to access this drive.
- In the **Password** field, type the password for the authorized network user name.
- Click **Submit**. The mapped drive will be added to the Mapped Drives list.
- To delete a mapped drive, click the red x icon for the mapped drive you wish to delete.

STEP 5: Change the time zone of the VM if necessary.

If your virtual machines are not in the Eastern Time Zone, you can change the time zone for both product and metric server VMs.

- On the **OS Settings** tab, select your time zone from the **Select Time Zone** drop-down field. The VM will restart.

STEP 6: Log on to the Cyfin interface.

After a successful installation, users may now log on to the Cyfin interface through their browser. Go to http://*cyfin_VM_IP_address*:7999, where *cyfin_VM_IP_address* is the local IP address for the Cyfin VM server entered above. Enter the following information to log on:
- **Logon:** admin
- **Password:** password

STEP 7: Configure the metric server in Cyfin if necessary.

- After logging on to Cyfin, go to **Data Management - Report Database - Configuration - Settings**. The Metric Server Settings fields are prepopulated by the configuration in **STEP 3**.

- The **Server**, **Port**, and **Index** fields are prepopulated. Change the server IP address if necessary.
- The **Buffer Size** field is also prepopulated, and you may change this if necessary.
- Click **Update**.

Using Groups and IDs

Before configuring a syslog data source or importing log files (non-syslog), determine whether or not you will use grouping. Groups and IDs can be imported manually or automatically, or you can add each group or ID manually. If you choose not to use grouping, we recommend that you place all of your users in Ungrouped IDs. See the **User Management** section in the product manual.

Configuring log files

When configuring Cyfin to read your log files (non-syslog), on the Directory Options page, enter or browse to the path of your local VM folder, that is, /Wavecrest/Cyfin/mappeddrives/*folder*, where *folder* is the name of the local folder created above.

Wavecrest .ova files and compatible VMware products

The table lists Wavecrest .ova files and compatible VMware products.

File	Compatible Product
OVA 67	ESXi 6.7
OVA 11	ESXi 6.0
OVA 10	ESXi 5.5/6.0

Default resource settings

The table lists the default resources that are set when creating the VMs. Make any necessary changes according to your Wavecrest recommendation.

Resource	Cyfin VM	Metric Server VM
Processor	4	4
Memory	4 GB	8 GB
Root Drive	20 GB	20 GB
Storage Drive	40 GB	250 GB