

created bv: Rainer Bemsel - Version 1.0 - Dated: DEC/18/2009

Currently I'm running a nice lab in my home office and wanted to evaluate a few new virtual appliances. With this in mind I stumbled over Netcordia. They provide a 30 days evaluation virtual appliance and promise to be set up within 30 minutes. So, I wanted to see that?

The product from Netcordia is called NetMRI and is a network management product focused on Network Configuration and Change Management.

I've downloaded the 30 day full functionality virtual appliance from <u>www.netcordia.com/eval</u> and imported the unzipped file into my VMWare Server 2.x

1. Unpack the Virtual Appliance ZIP archive

I'm sure you know how to unzip the archive

2. Import the Virtual Appliance

If you need support on how to import a virtual appliance into VMWare, please consult your VMWare specific user manuals.





DISCLAIMER

This Technical Tip or TechNote is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific system installations / configurations. Readers should cansul each Vendor for further information or support.

Although I believe the information provided in this document to be occurate at the time of writing, I reserve the right to modify, update, retract on otherwise charge the information contained within for any rea and without notice. This technote has been created after studying the material and / or practical evoluation by myself. All liability for use of the information presented here remains with the user Before you start, make sure you have received the license information from Netcordia.

🧐 Thank you for evaluating Netcordia NetMRI Virtual Appliance - Thunderbird					
File Edit View Go Message Tools Help	-				
Set Mail Write Address Book Reply All Forward Tag Delete Junk Print Back Forward					
Subject: Thank you for evaluating Netcordia NetMRI Virtual Appliance					
From: <u>Netcordia Evaluation <evalsupport@netcordia.com></evalsupport@netcordia.com></u>					
Date: 12:21 PM					
To: rainer@bemsel.com					
Thank you for choosing Netcordia NetMRI.					
In order to provide you with your Virtual Appliance license key you will need to get your NetMRI Virtual Appliance up and					
Once you have your NetMRI serial number you can donwload your NetMRI license from http://license.netcordia.com/?formEmail=rainer@bemsel.com&actCode=fr the following information on the form exactly as it appears below:					
Email Address: rainer@bemsel.com					

3. Import and run the Virtual Appliance

The first time running, will ask you about accepting license agreement. After you have accepted the license agreement, the initial script will setup the database, install scripts, etc. This will take some minutes. (took on my vmware engine 12 minutes).





4. Configure Network

Use this small sheet to prepare your entries

	My entries	Your entries
IP Address	192.168.10.5	
Netmask	255.255.255.0	
Gateway	192.168.10.254	
DNS Server 1	192.168.10.60	
DNS Server 2	192.168.10.254	
Hostname	netcordia.bemsel.home	
Proxy Server	none	

After changing those entries you have to reboot the appliance by login into the console and type "reboot". It would be a good idea to change the local time zone, as well.

NetHRI Summary Performance Events Console Permissions						
netcordia log Password: Last login: F	in: admin Tri Dec 18 17:57:12	on tty1				
fivailable Con acl autoupdate cat clear configure debug deregister netcordia> _	mands: diagnostic exit ftp grep halt help installhelpfiles	license Is maintenance more netstat ping quit	reboot register remateCopy repair reset restore rm	route setup show smppualk telnet top traceroute		

That's pretty much everything need to the initial setup. However, I did get following error message, which I couldn't interpret the first time.





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So I started "setup" from the console and added some more details, like network got the server rebooted and did get into business after all.

5 more steps to go, and the system will start to discover your network.



First, you have to set a admin password



If you requested the license file yet, now it needs to be done. After the system has generated the license file, you should receive it via email.

On the next page, there is my first hint for newbies ©



HINT: How to obtain Serial Number?

Login into the console and run the command "show version"

```
netcordia > show version
NetMRI Version : 4.0.3.15
Serial Number : VM-4Axx-xxxx
Network Name : Home-Network
Server Name : netcordia
netcordia >
```

With your email, there is a URL string to request the license file. Click on the per email provided URL

NetMRI License File Request Form							
The Email Address used during the registration process:							
*Email Address:	rainer@bemsel.com						
* Serial Number:	VM-440E-15662						
* Activation Key:	fb70c9f3-022f-4-71-933						
* Terms and Conditions:							
	By Checking this box y	you agree to Netcordia's					
	License agreement.						
	Submit	* required field					

After receiving the License File via email, save it locally, so you can attach on Step 2 of the SetupWizard



This will take one or more minutes. Just take an espresso and keep going in a few moments

Installing License (this may take a minute or two)			
Please Wait			
Novelle	Certified Instructor EMEA	CERTIFIED EXPERT	Netoos. Blue Coat

With that, you can start to enter up to 25 IP Addresses with this version.

-5-5		Step 3 of 5: Dev
Enter the IP addresses of addresses are supported	of the devices you want NetMRI to . This version of NetMRI supports a	monitor. Both IPv4 and IPv6 maximum of 25 devices.
Enter IP Addresses	IP Address 🔺	Actions
192.168.10.247	10.0.0.11	9
	10.0.0.51	0
	10.0.0.60	0
	10.0.0.81	٢
	10.0.0.83	9
	192.168.10.60	9
	192.168.10.81	9
	192.168.10.83	0
	192.168.10.234	٢

Add all community strings, you may use with above IP Addresses.





Finally, you need to add login credentials

NetMRI Setup Wizard			?	NetMRI Setup Wizard				?
1-1-5		Step 5 of	5: CLI Credentials				Step 5 o	f 5: CLI Credentials
Enter the CLI credentials use determine which credentials	d by the devices specified in are associated with each de	vice.	utomatically	Enter the CLI credentials u determine which credentia	sed by Is are a	the devices specifie ssociated with each	d in step 3. NetMRI will device.	automatically
Enter CLI Credentials Account Type:	Username 🔺	Password	Actions	Enter CLI Credentials Account Type:		Username •	Password	Actions
O User O Enable				User Denable			a contraction	٢
Username:				Username:	8	administrator	and on	9
admin				1	8	netqos	-Cl ome	0
Password:				Password:	8	touch	-tour"	O
geneim								
Add				Add				
		< Previo	Next >				< Previ	ous Next >

Let the automatic discovery process run for a while.

Home-Network Network	[Buy NetMRI Now]	Welcome, admin (Logout) FindIT			
	work Analysis Network Explorer	Configuration Management	Reports 💼 🗟 🦹 ?		
Entire Network 2009-12-18 / Daily		3	>> Select Device Groups		
Issues Changes Policy Compliance Performance	e VoIP Events		Group Name		
			Entire Network (11)		
	10 Overall Scor	e History	AME ONLY (7)		
🚺 🚺 🛛 🚹 🚺 🚺 Överall Sco	re 9		Network Management (2)		
Info Warning Error	7-		Routing (1)		
Count Count Count	5-		Workstations (1)		
<u>2 0 0</u>	3-				
Configurations Routing VLANs	1				
Devices Security VoIP	899232325282	22,22,22,22,22,22,22,22,22,22,22,22,22,			
Interfaces Subnets Wireless					
Displaying 1 - 1 of 1	Display 🔻 Views	🔹 Filters 📓 🚺 Search			
Severity IP Address Last Seen	Device Name Device Type Status	# Affected # New # Resolv			
Info <u>192.168.10.81</u> 2009-12-18 18:56:10	csco-1801-10 Router (99%) Current	2 2 0			
·					
Issues by Type Issues by Device			۰		
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So far there is anything done, to get a first scan on your network. There are many more things to be done to really get a feeling about the value. Personally, I like the change management as it does also store configurations, etc...

