NETGEAR®
PROSECURE®

Application Notes

UTM ReadyNAS® Integration Guide

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Concepts

NETGEAR® ProSecure® and ProSafe® security appliances are non-compromising network security solutions for midsized IT environments. They are tailored to deliver reliable, affordable, and simple network protection that businesses demand.

Traditionally, the lack of significant local storage on UTM devices has presented a logging, reporting, and quarantine problem for administrators. Many such devices stored very little logging information on the unit itself and required the purchase of a separate "report manager" appliance just to store logs. With the NETGEAR ProSecure UTM and NETGEAR ReadyNAS, administrators can now utilize their ReadyNAS storage device to keep logs and quarantined files.

The UTM by default does not have persistent logging, meaning if you reboot or shutdown the UTM the logs will be gone. When integrated with the ReadyNAS the UTM logs will remain persistent on the ReadyNAS regardless of whether or not the UTM reboots or shuts down. This will allow reports and logging to be accessible over an extended period of time.

In this application note, we will go over the steps on how to integrate the ReadyNAS with the UTM to use as a storage partition for logging and quarantine.

Components

The following requirements are needed when using this guide for implementation:

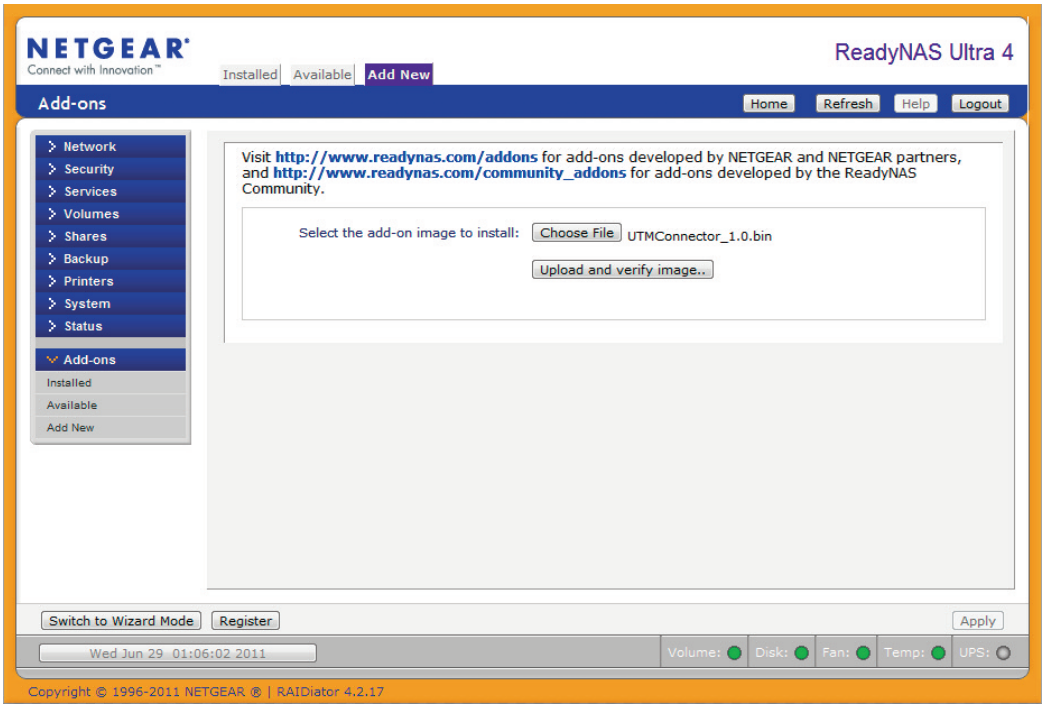
Product	Model/Release	Version
NETGEAR ProSecure UTM Series	Any ProSecure UTM	Firmware version 2.0.15-0 and above
NETGEAR ReadyNAS	Any x86 based ReadyNAS (Pro & Ultra families, most rackmount ReadyNAS)	RAIDiator 4.2.17 and above
UTM Connector ReadyNAS Add-on	N/A	Version 1.0 and above

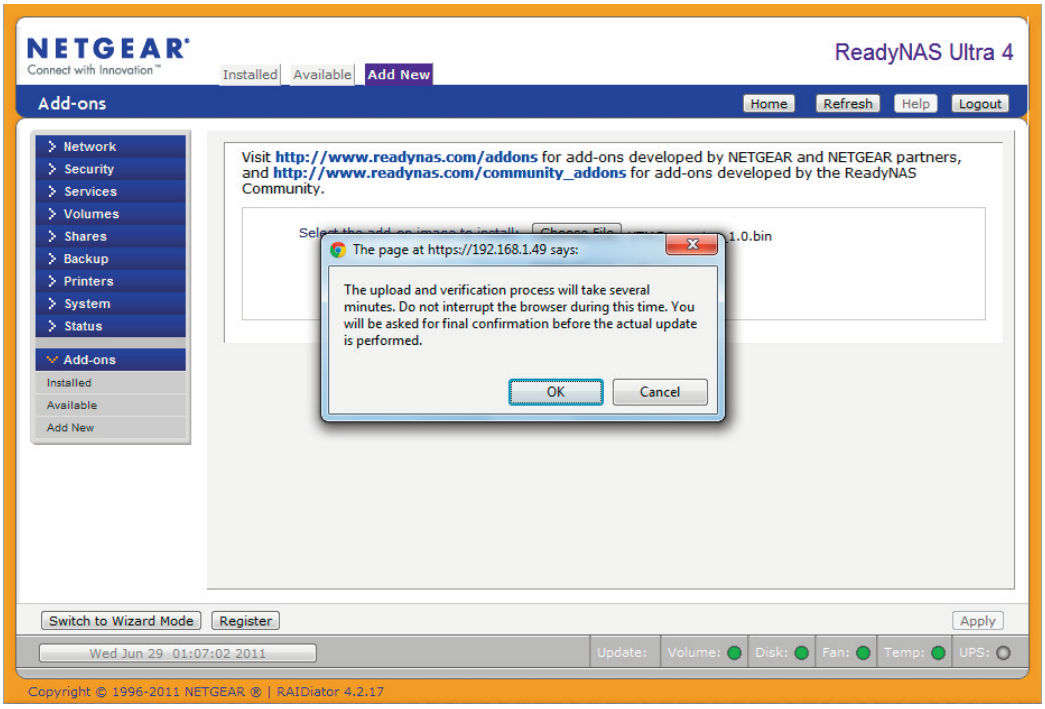
Configuration Steps

Configuring the ReadyNAS

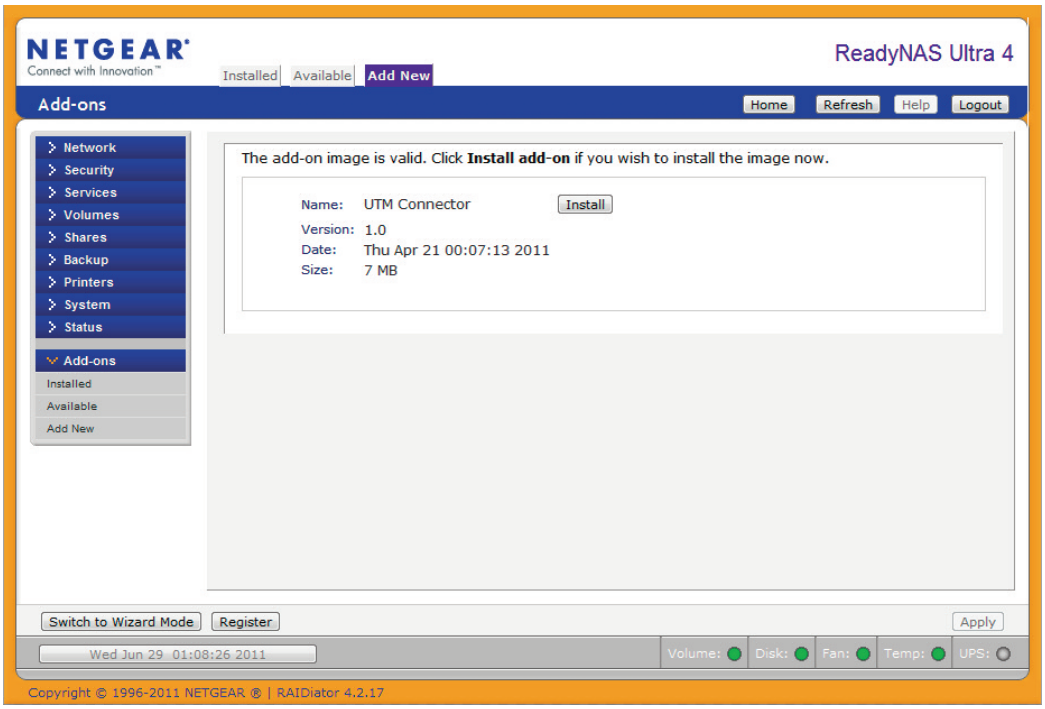
First, we must prepare the ReadyNAS for the integration. This involves installing the UTM Connector add-on and making a couple of simple configurations.

1. Login to the ReadyNAS and go to **Add-ons** and select **Add New**. Click **Choose File** and browse to the UTMConnector_1.0.bin file and click **Upload and verify image** and click **Apply**.

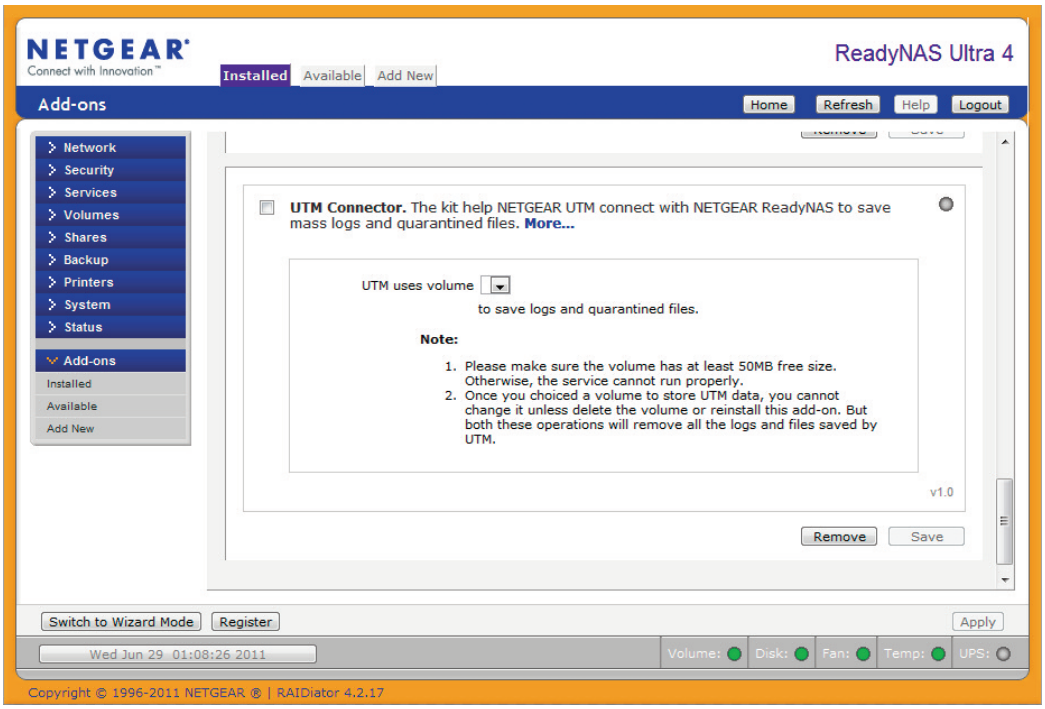


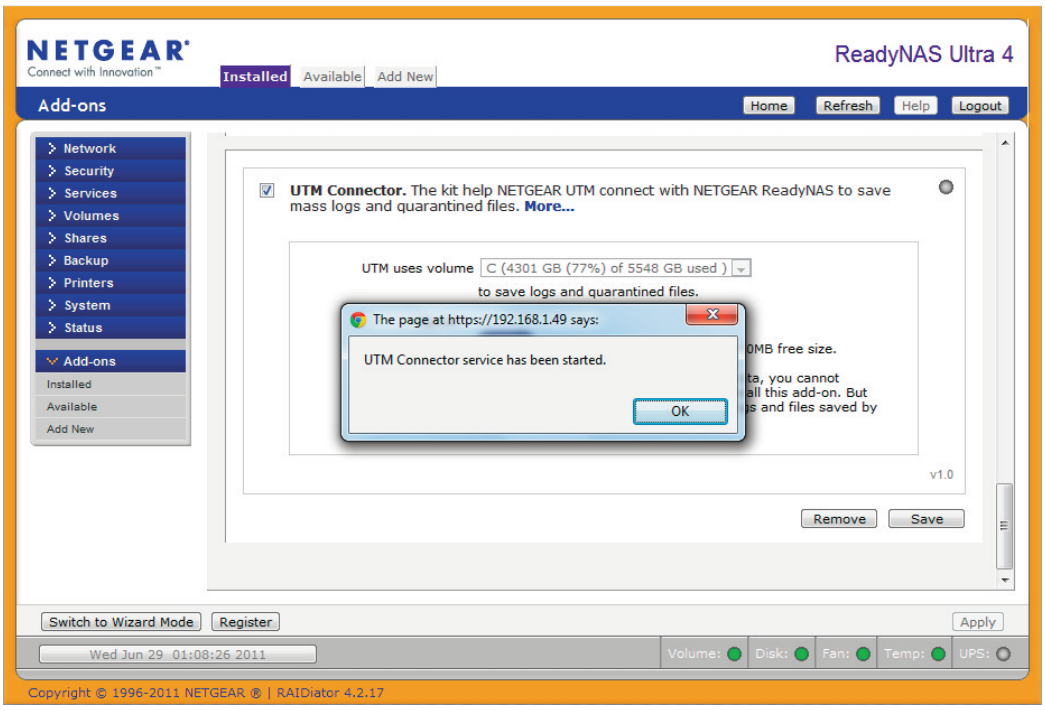


2. Once the Add-on image is uploaded you are ready to install the Add-on. Click on the **Install** button and then click **Apply**.



3. Once the Add-on image is installed you can enable the UTM Connector Add-on by clicking on the **Installed** tab and then check the box next to the UTM Connector Add-on and click **Save**.

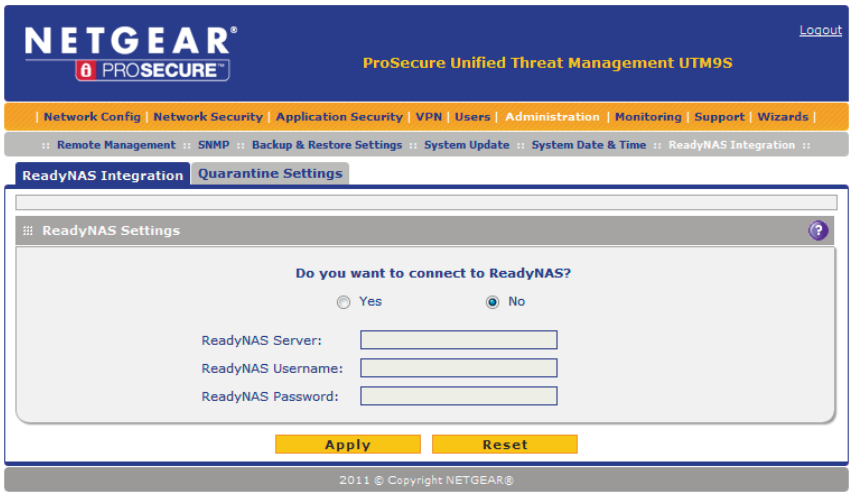




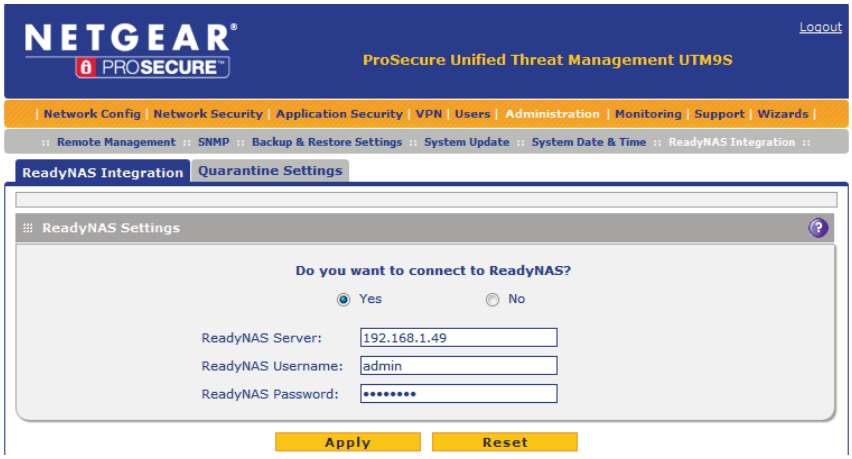
Configuring the UTM

We will now connect the UTM with the ReadyNAS.

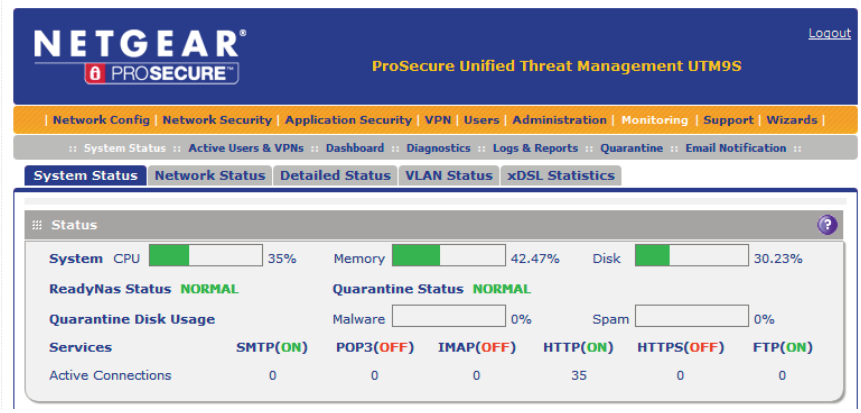
4. Login to the UTM and go to **Administration – ReadyNAS Integration**.



5. Select **Yes** to connect to the ReadyNAS and enter the IP address of the ReadyNAS and the admin username and password you use to manage the ReadyNAS and click **Apply**.



6. Go to **Monitoring –> System Status** and you should see the ReadyNAS and Quarantine Status set to Normal.

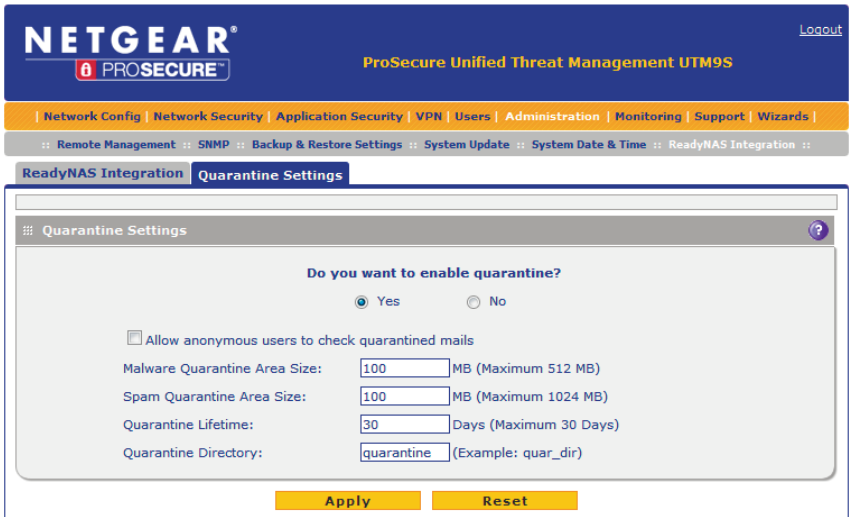


You're all set! Now you'll have quarantine and the logs on the UTM will be persistent.

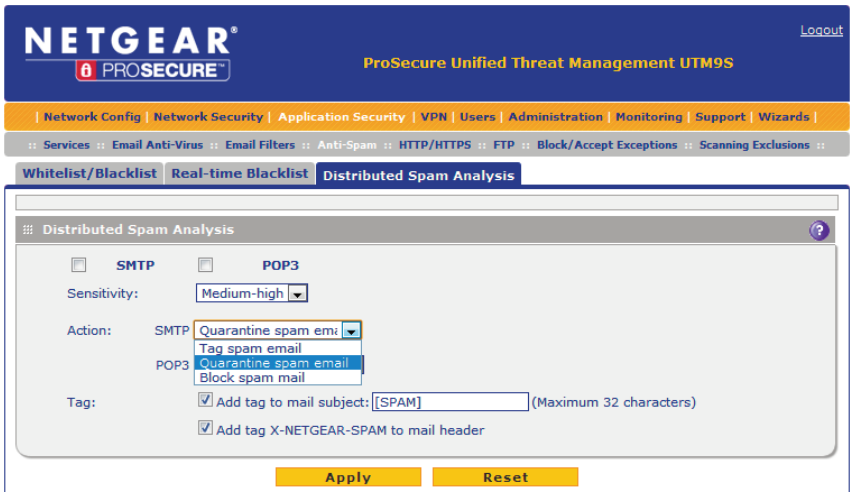
Enabling Quarantine on the UTM

Now that we've connected the UTM with the ReadyNAS, we have the option to enable quarantine for malware infected files and spam emails.

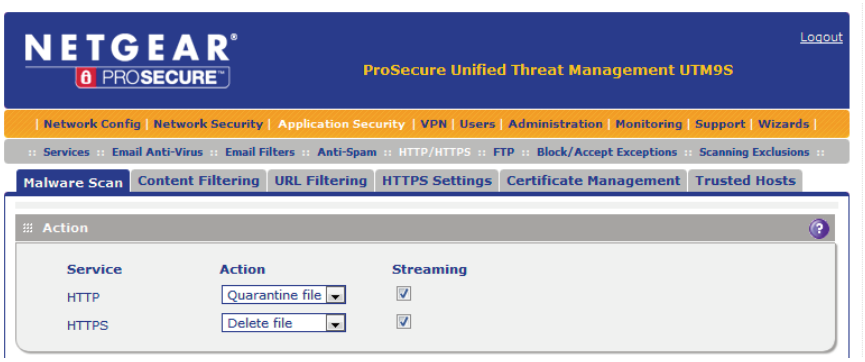
1. First, click on the **Quarantine Settings** tab and enable **quarantine**.



2. To quarantine SMTP spam, go to **Application Security –> Anti-Spam –> Distributed Spam Analysis** and change the **Action for SMTP to Quarantine spam email** and click **Apply**. *Quarantine not supported for POP3 emails



3. To quarantine infected files from the Web, go to **Application Security –> HTTP/HTTPS –> Malware Scan** and change the **Action for HTTP to Quarantine file** and click **Apply**.



Conclusion

Following the steps above, we have successfully integrated the ReadyNAS with the UTM. This will allow greatly increased persistent logging capacity as well as add the capability to quarantine malware infected files and spam emails. For complete information on configuring ProSecure UTM Unified Threat Management appliances please reference the UTM Series Reference Manual.