radware

Alteon
34.x

Alteon Level 1 Lab Manual Monitoring

Table of Contents

Overview

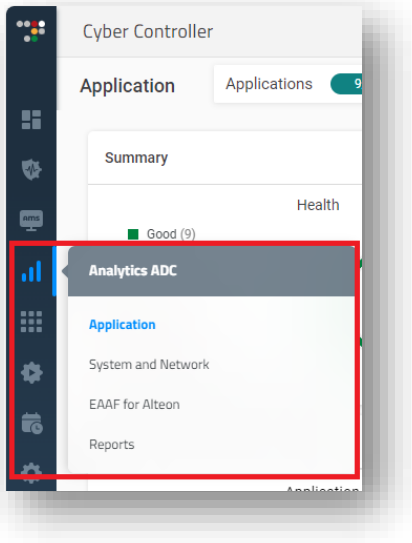
Cyber Controller Analytics (AVA) can provide real-time and historical information.
Analytics requires Alteon devices running version 32.2 or later

Alteon is a Radware application delivery control (ADC) product. AVA for Alteon is called AVA ADC or ADC Analytics.

AVA ADC Modules

AVA ADC supports the following modules:

- **Application dashboard** - displays monitoring and reporting metrics for viewing and tracking real-time and historical information on applications and servers that your Alteon devices manage. The dashboard organizes and presents complex information in a way that is easy to understand. The dashboard is composed of multiple widgets.
- **System and Network dashboard** - displays monitoring and reporting metrics for viewing and tracking real-time and historical information about Alteon devices in your network. The dashboard displays information for Alteon version 32.2.1 and later. The dashboard organizes and presents complex information in a way that is easy to understand. The dashboard is composed of multiple widgets.
- **EAAF for Alteon** - The ERT Active Attackers Feed (EAAF) Dashboard for Alteon enables users to view and monitor statistics on attacks and attackers that Alteon devices mitigated using the ERT Active Attackers Feed. A valid subscription is required for this service.
- **Reports** - Use the Reports module to quickly generate an on-the-fly view.



AVA ADC Licensing

Opening AVA ADC requires a Cyber Controller Reporting Module - ADC license, which must be installed on the Cyber Controller server.

Objectives

After viewing a training module on monitoring and completing this lab, you should be able to describe various monitoring options that can be used to assess the performance of the Alteon devices and services running on it.

Lab Activities

Here is a summary of tasks in this lab:

1. Using Cyber Controller ADC Analytics
2. Alteon monitoring using WebUI
3. Alteon monitoring using CLI
4. Basics of 3rd party monitoring.

Before you start discovering your way around ADC Analytics, **import your SSL_Services configuration backup** and use jMeter to start some traffic requests using Apache jMeter.

On RDP PC.

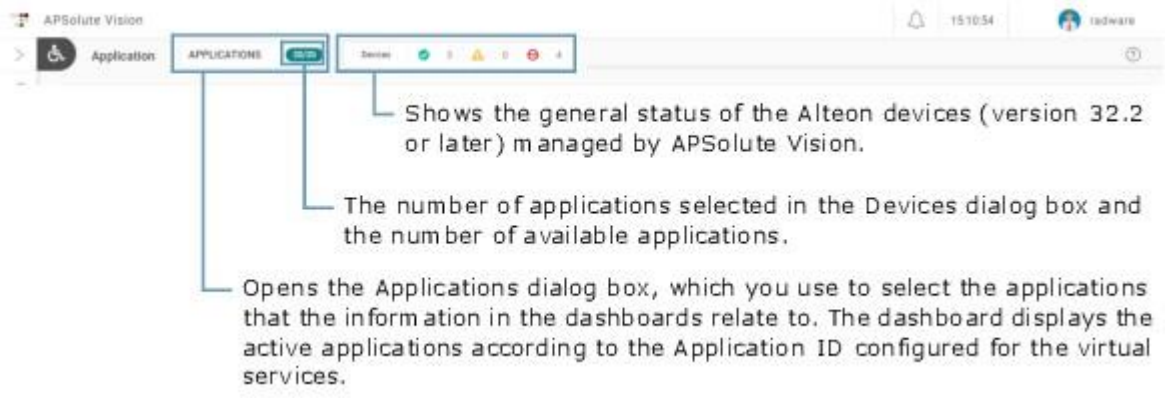
1. Click on the Desktop icon JMeter
2. Open **Hackazon-HTTP.jmx** (File -> Open-Recent)
3. Click the “Start” button
4. Start another instance of JMeter and repeat the above for “**Hackazon-HTTPS.jmx**”

Using the ADC Application Dashboard

The AVA ADC Application Dashboard displays monitoring and reporting metrics for viewing and tracking real-time and historical information on applications and servers that your Alteon devices manage. The dashboard organizes and presents complex information in a way that is easy to understand. The dashboard is composed of multiple widgets.

Managing Parameters for the ADC Application Dashboard

You can manage the general parameters for the dashboards from the dashboard toolbar

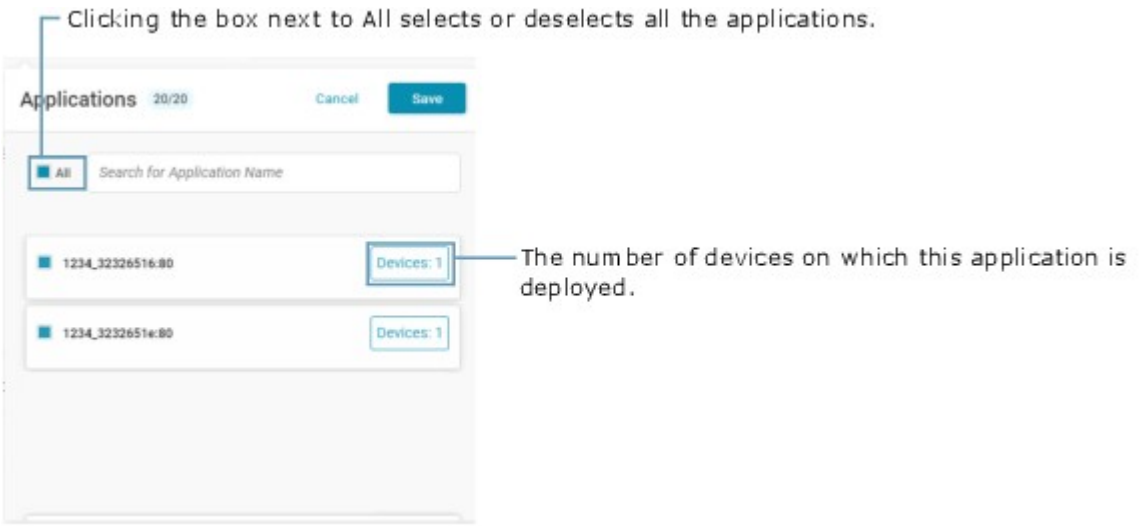


Controlling Applications that the Dashboard Displays

The dashboard panels display information on the applications — according to your device RBAC permissions and (by default) according to the selection of the Applications dialog box.
Use the Applications dialog box to select the applications that you want to display in the dashboard.
Selecting the box (■) next to All selects or deselects all the applications.

Notes

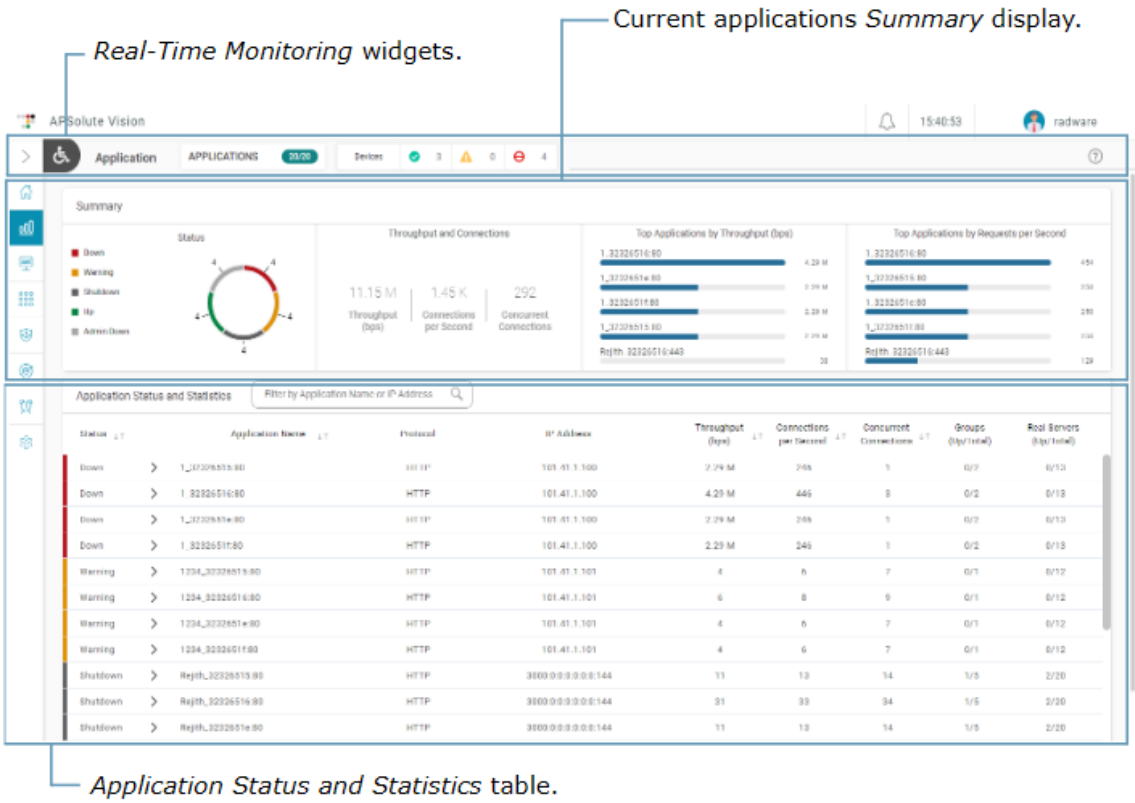
- Applications are identified according to their application ID. By default, the application ID is set to <*virtual server ID:service port*>. This value can be adjusted during virtual service configuration.
  Important: Changing an application ID removes all its historical data. The dashboard displays the information on the application IDs currently available.
- In high availability environments, the application dashboard presents the aggregated statistics of both active and backup applications, while the status refers to the active application.
  Important: Make sure that there are no conflicts between application IDs that represent different virtual services.



Viewing Information in the Alteon Application Dashboard

Notes

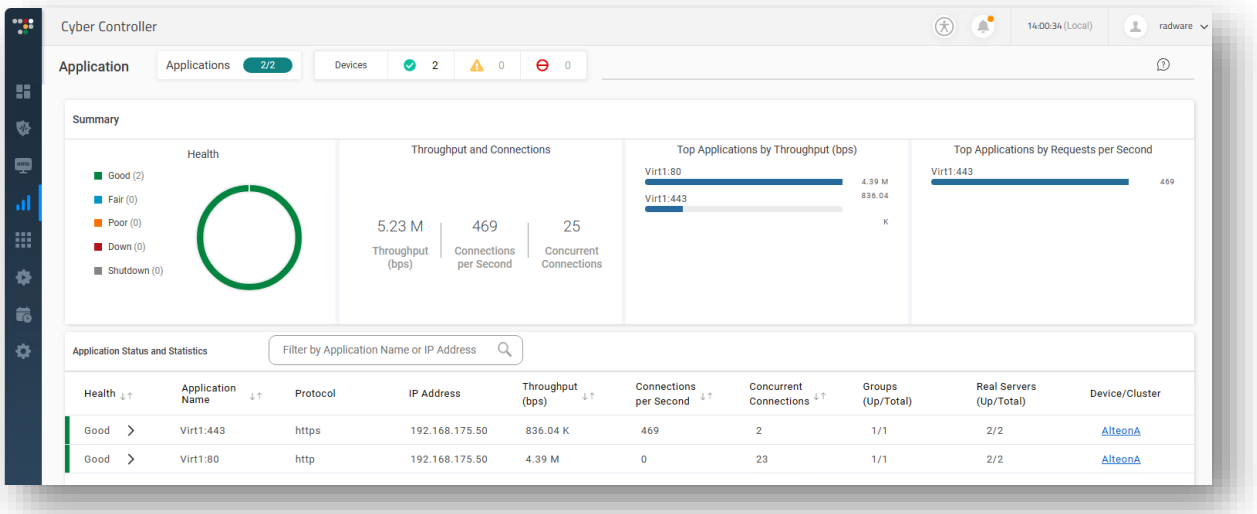
- The display of the dashboard refreshes every 30 seconds.
- The dashboard shows information according to the configuration in the Applications dialog box and your viewing permissions.



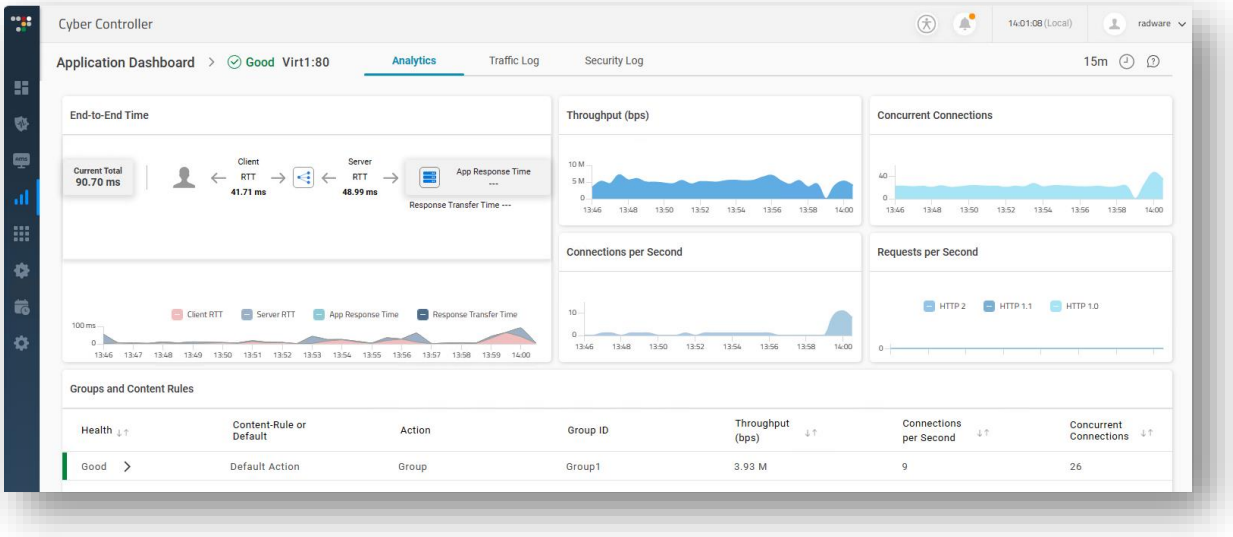
Note: To drill down to additional details about an application, click in the relevant row.

Viewing Analytics of a Selected Application

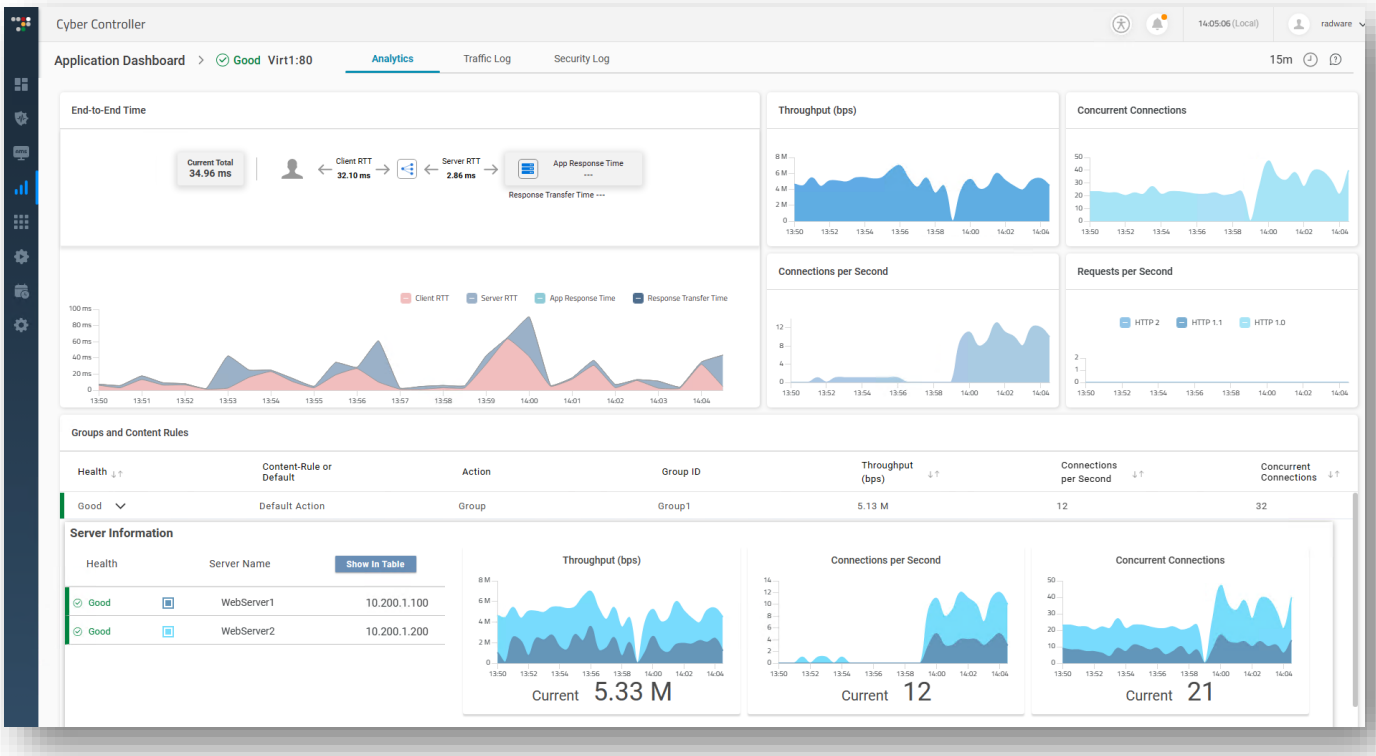
When you click in a row of the Application Status and Statistics table in the Application Dashboard, the display changes to show details about that application for the specified time period, as follows:



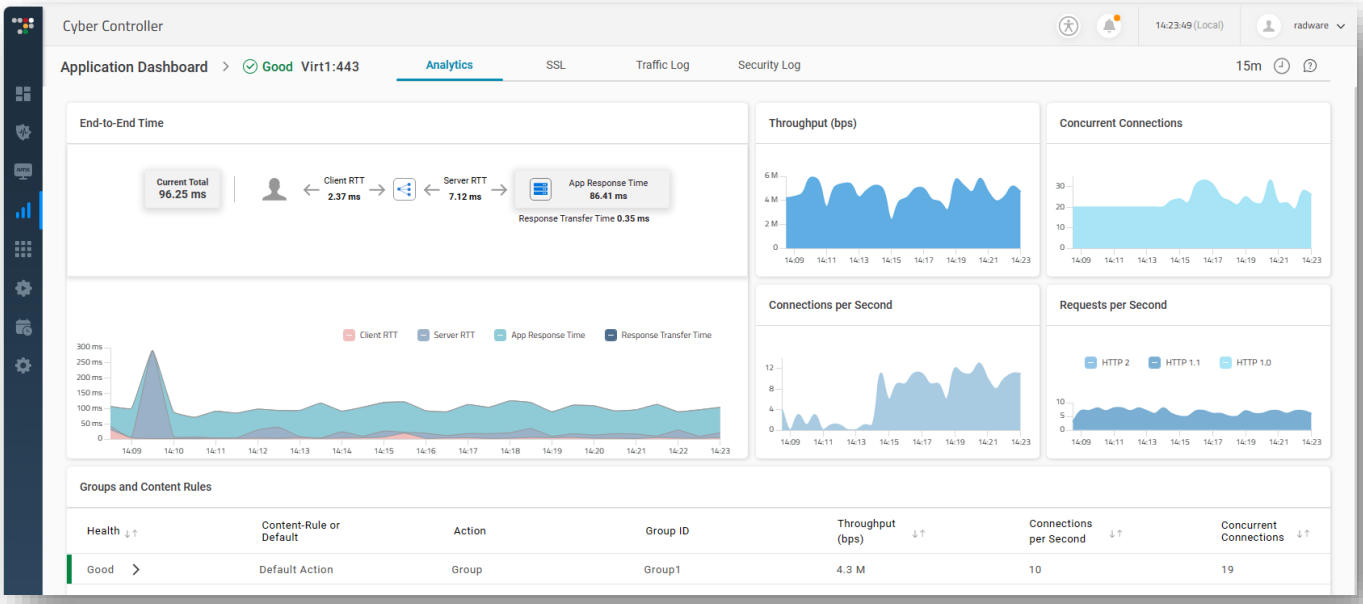
Click on the Virt1:80 to see more details on the traffic to the VIP on port 80:



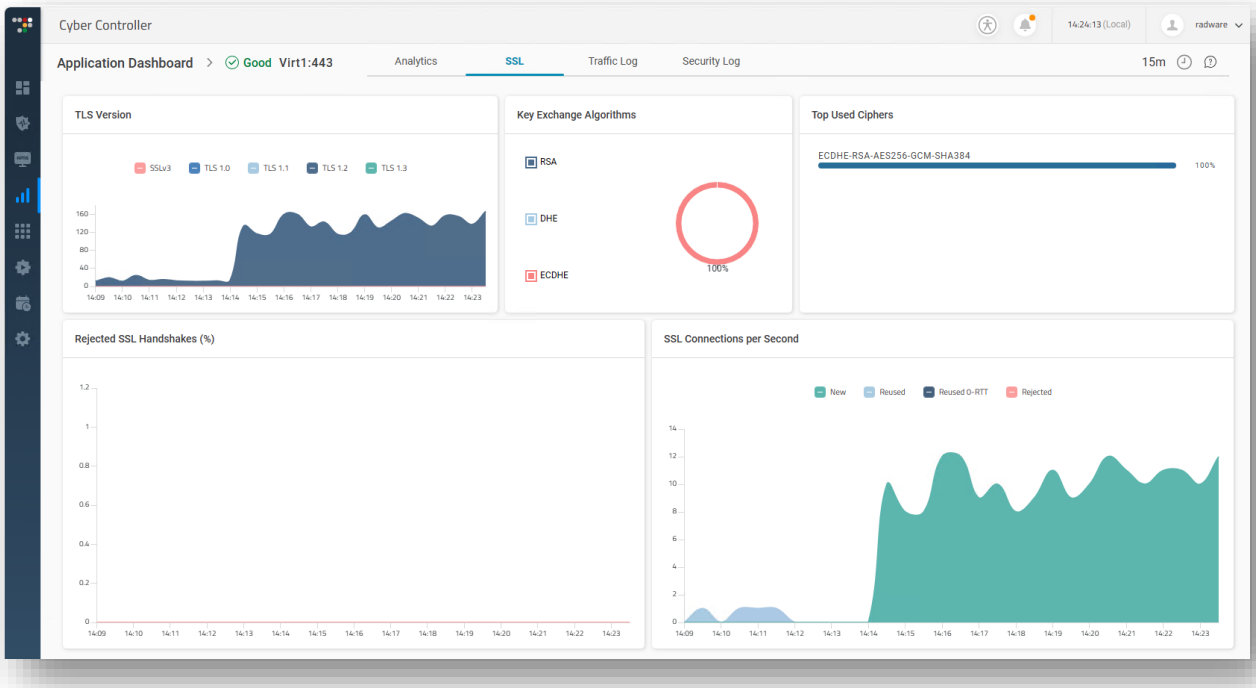
When you click in a row of the Groups and Contents Rules table in the Application Dashboard, the display changes to show details about that server, as follows:



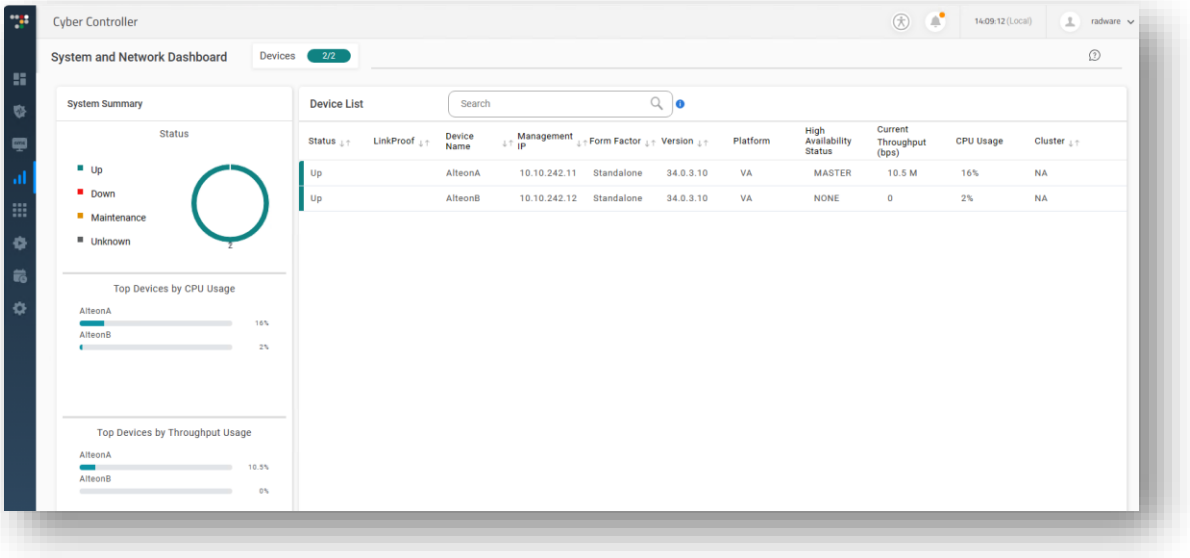
If you click again on Application Dashboard and select the Virt1:443 servivce we see another option for SSL traffic:



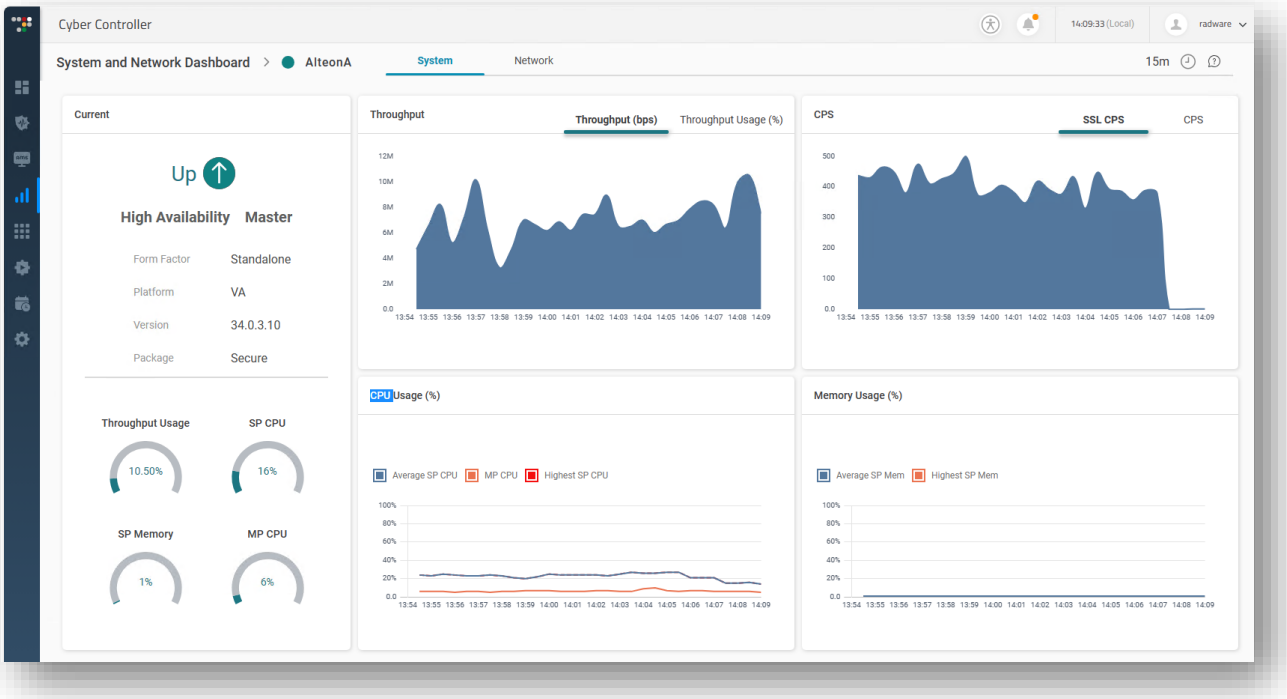
Click on the SSL option (you can manually generate some HTTPS traffic from the browser to see more details): System and Network



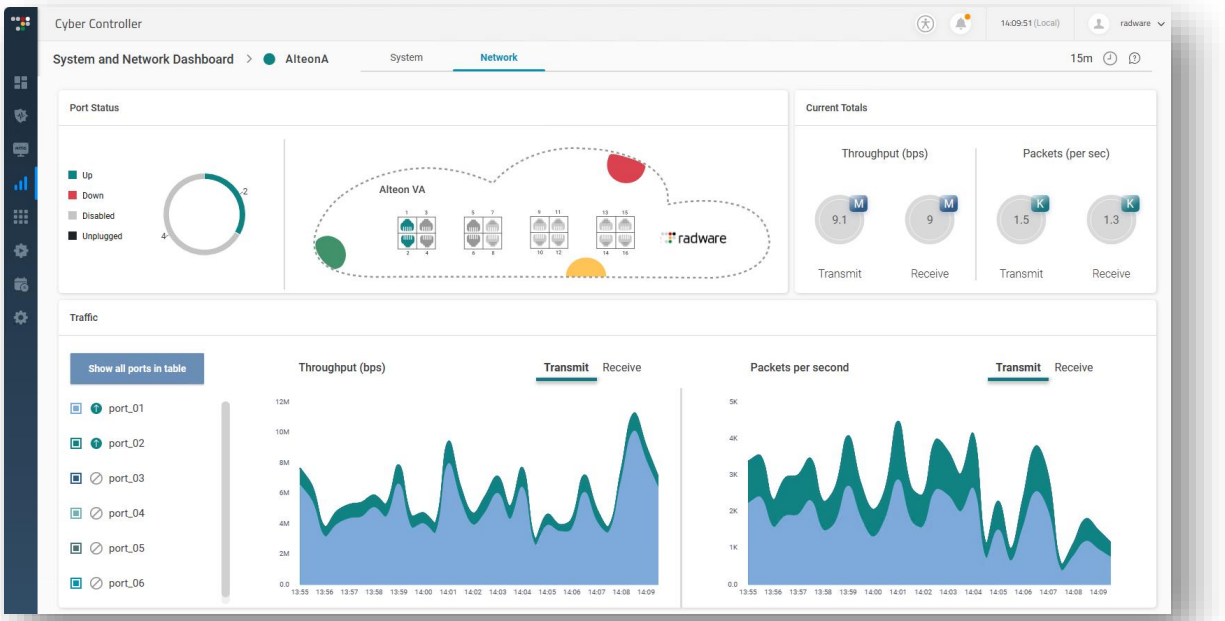
Go to Analytics ADC > System and Network



Click on the active Alteon to see more system related information like CPU utilization and more.



Click on Network to see more details on the traffic statistics of the selected Alteon.



Using AVA ADC Reports

Use the AVA ADC Reports module to quickly generate an on-the-fly view.
You can create an Application Report or a Network Report.

To create an Application Report in AVA ADC

1. From the Cyber Controller main toolbar, click **Analytics ADC > Reports** .
2. Click **New Report**.
3. In the **Report Name** text box, enter a name for the Report.
4. In the **Time** step, do one of the following to configure the time range for the information that the report contains:
   - From Quick Range tab, select one of the following preset ranges:
     - **15m -** The last 15 minutes
     - **30m -** The last 30 minutes
     - **1H** - The last hour
     - **1D -** The last day
     - **1W -** The seven days
     - **1M -** The last month
     - **3M -** —The last three months
     - **Today** - From 00:00 today
     - **Yesterday**
     - **This Week** - From 00:00 Sunday
     - **This Month**
     - **Previous Month**
     - **Quarter** - From the beginning of the current quarter year

     Default: **1H**
   - From Absolute tab, specify the time range up to one year in the past. You can click in a box to open a month calendar and a 24-hour digital clock. Use the left and right arrows to choose the required month. You can click the 24-hour digital clock to choose the time of day.
   - From the Relative tab, specify the time range up to one year in the past. Use the Relative tab and specify a time range when the Quick Range options do not suffice. Enter a number in the text box, and select the required time unit.
5. In the **Schedule** step, select one of the following:
   - **OFF** - The report runs only when triggered manually.
   - **ON** - The report runs according to the schedule. To configure the schedule, select the
   - frequency, and then, configure the related time and day/date parameters.
   - Values:
     - **Daily** - The report runs daily at the specified **Time of Day**.
     - **Weekly** - The report runs at the specified **Time of Day**, on the specified **Days of Week**.
     - **Monthly** - The report runs at the specified **Time of Day**, on the **specified Day of Month** in the specified **Months**.
     - **Once** - The report runs one time only at the specified **Time of Day**, on the specified **Day**.

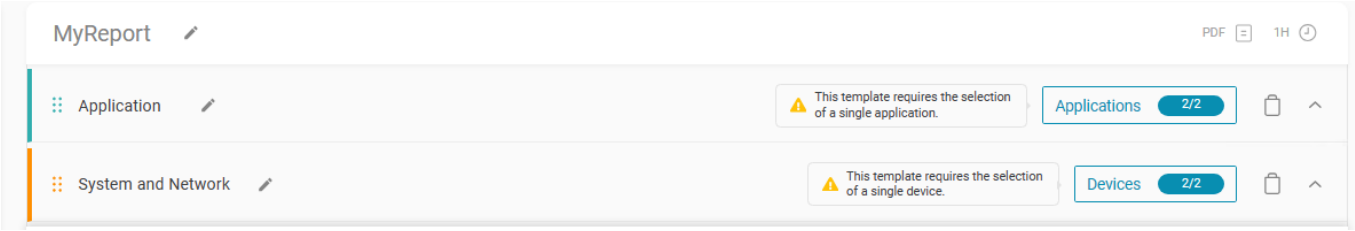
   Note: Scheduled reports run according to the time as configured on the Cyber Controller client.
6. In the **Share** step, do the following:

- Click in the **To** box and enter email addresses as required.
- Click in the **Subject** box and enter the text for the Subject line of the email message.
- Click in the bottom box and type the message body of the email message.

Notes

- If there is no recipient configured in the **To** box, there is no delivery method for the report (but you can generate the report manually and download the HTML output of the report).
- There must be an enabled and valid configuration **for Email Reporting Configuration Parameters** (Cyber Controller Configuration view System perspective, **General Settings > Cyber Controller Analytics Settings > Email Reporting Configuration**).

7. In the **Format** step, select the **PDF**, **HTML**, or **CSV**, as required.
8. At the **Templates** click on the + sign at **Applications** and **System and Network** to add all related widgets.
9. In the **Application** and **System and Network** main setting select a single application and a single device as requested by the system**.**



10. Click **Submit**.
11. At **My Reports** you see now the newly created report. Select it and click on **Generate Report** to let the report be created. The creation of a report can take a few minutes.
12. After the report is created you can review the report by clicking on **Show Report**
    Each already generated report shows the time that it was generated.
13. If you want you can generate another report version by clicking again on **Generate Report** again.
14. You can export the report by clicking on Download on the lower right corner of the screen.

For questions, contact training@Radware.com