

CERTIFICATE CHECK ACTIVEGATE PLUGIN

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What does the plugin do?

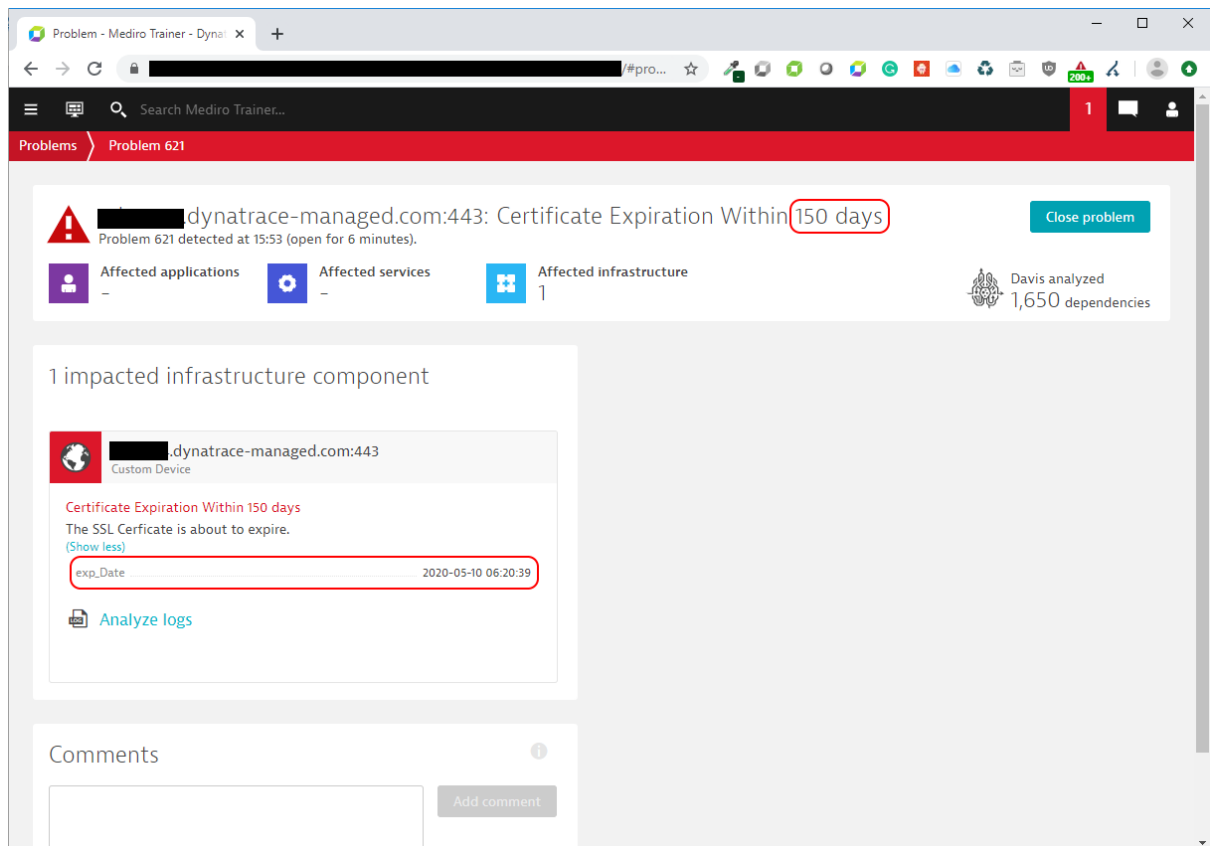
The plugin is a simple check against the certificate expiration date of the certificate assigned to each URL, as defined in a hosts.txt file.

The plugin runs from the context of the remote plugin module of a Dynatrace ActiveGate.

Once the expiration date of the certificate(s) is equal to or less than the defined number of days (default 14 days), the plugin will trigger a problem.

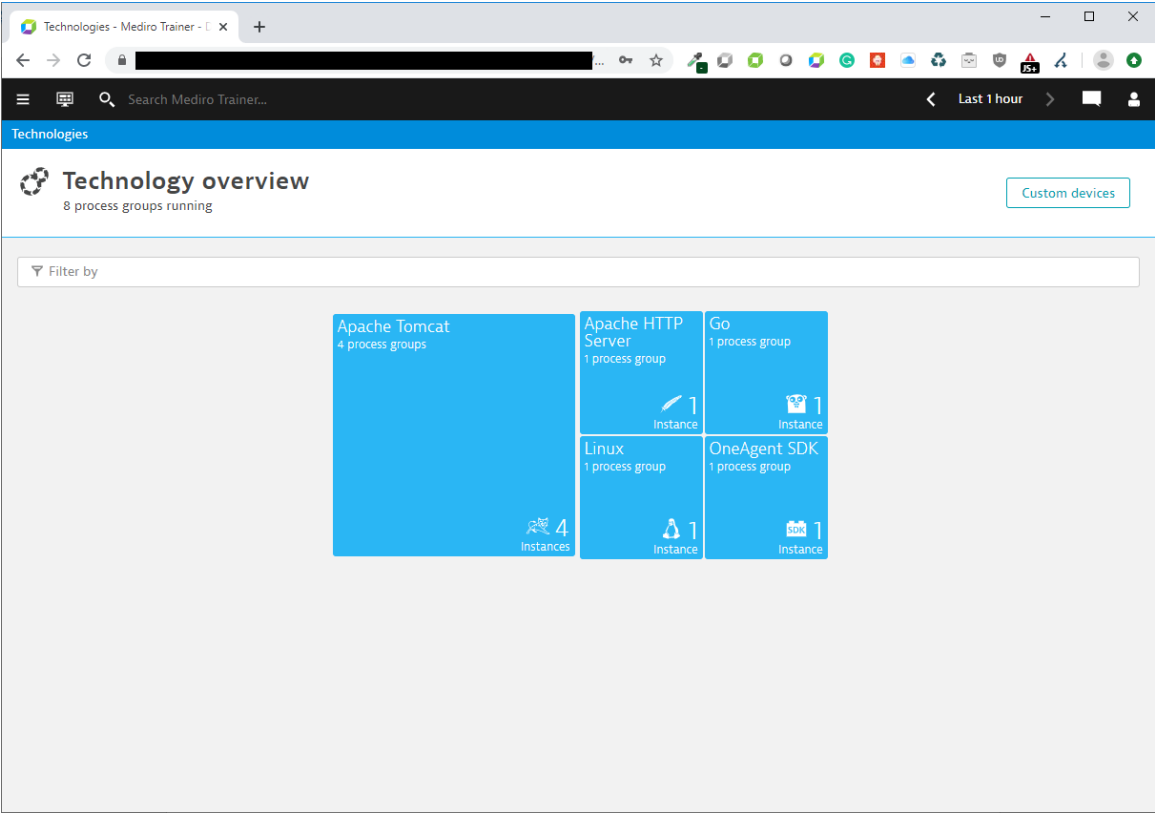
If the expiration date does not fall within the number of days, the problem will close.

Example: the value of days was set to 150 in the plugin's configuration; the problem was triggered because the valid date before expiration of the certificate in question, is less than 150 days.

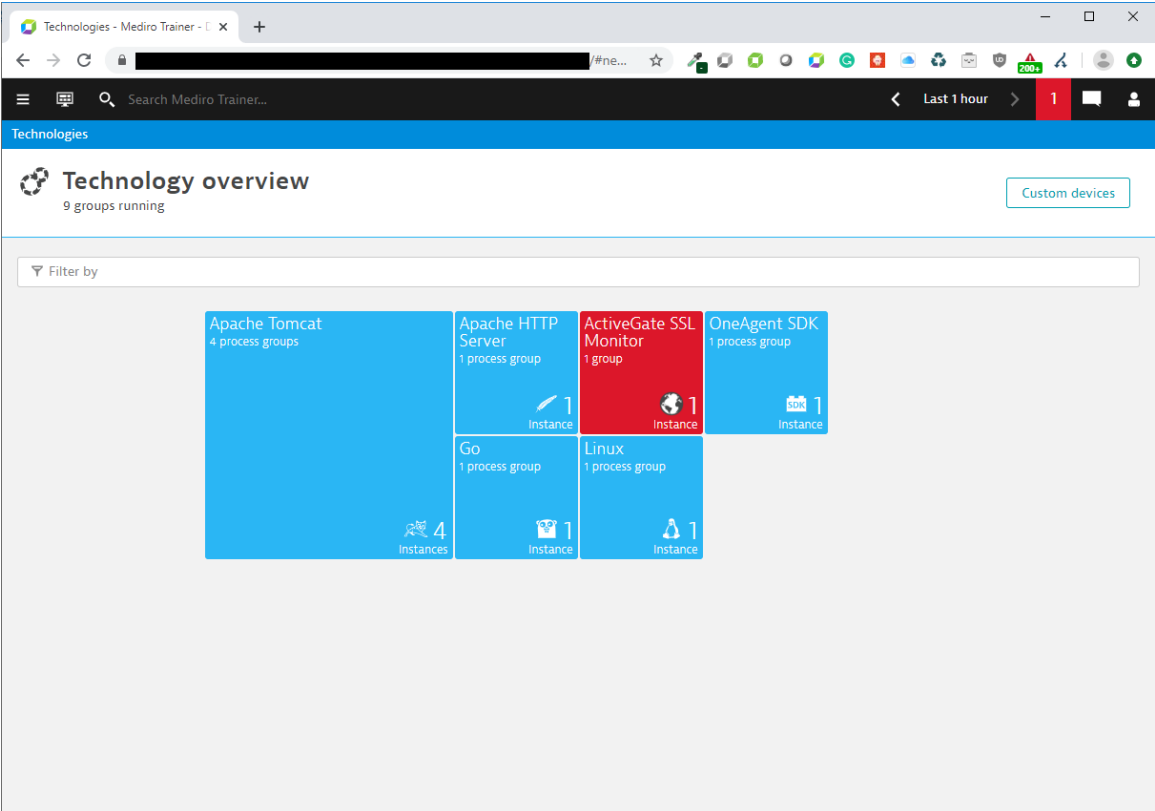


Note: you will only see the plugin under ‘Technologies’ if there are open problems relating to certificate expiration.

No existing problems



Open problem



Requirements

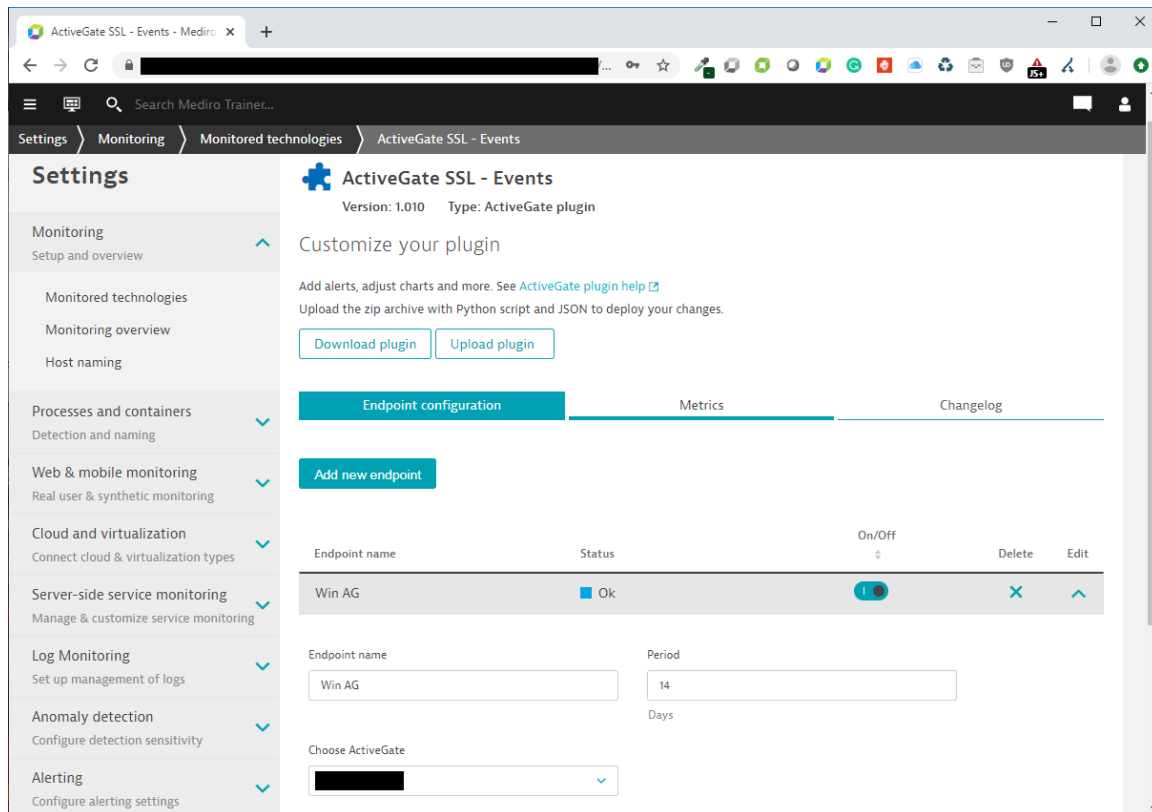
- Windows Server 2016 (Windows 10 tested) or Linux (Ubuntu 16.04 and 19.04 tested)
- ActiveGate version 1.181+
- Python 3.6
- Connectivity from the ActiveGate to the URLs
- The plugin file `custom.remote.python.ssl_events.zip`

ActiveGate installation & configuration

[Install ActiveGate](#) using the default option (to route OneAgent traffic, but also to run ActiveGate plugins)

Extension installation & configuration

1. Deploy the correct plugin (.zip) for your ActiveGate operating system, via the Dynatrace web UI
https://www.dynatrace.com/support/help/shortlink/deploy_custom_plugin#deploy-via-dynatrace-web-ui
2. Copy the file (.zip) over to the ActiveGate host and extract it to the directory, as per the documentation in point 1
3. Copy the `hosts.txt` from the unzipped plugin zip directory
`custom.remote.python.ssl_events` to
`/opt/dynatrace/remotepuginmodule/agent/lib64` (Linux) or `C:\Program Files\dynaTrace\remotepuginmodule\agent\lib64` (Windows)
4. Add/remove URLs as required in `hosts.txt` (the file you copied in step 3, *not* the original file which comes with the zip!), save the file
5. Restart the remote plugin module
 - Linux: `systemctl restart remotepuginmodule`
 - Windows: restart the “Dynatrace Remote Plugin Module” service
6. Browse to Settings -> Monitoring -> Monitored technologies, select the Custom plugins tab and select the ActiveGate SSL - Events plugin and add a new endpoint
 - Endpoint name: this is just a display name for the endpoint
 - Period: this is configurable and represents the number of days for the certificate expiration; the default is set to 14 days
 - Choose ActiveGate: choose an ActiveGate from the dropdown from which you want to execute the plugin. Note that only ActiveGates which are set up to execute plugins, will show up in the list



DISCLAIMER

This plugin is developed and maintained by Mediro ICT and is provided “as is”.

Dynatrace does not provide support for this plugin and the usage of this plugin is at the sole discretion and risk of the user.

Any bugs, enhancement requests or question regarding this plugin, can be sent to apmtech@mediro-ict.co.za