Aktualizr

Aktualizr is RVI SOTA client written in the C++ programming language. It has replaced the RVI SOTA Client written in the Rust programming language in GENIVI Development Platform (GDP). Aktualizr is shipped by default with GDP.

Step-by-step guide

1. Login to https://sota.genivi.org/login (Ask GENIVI IT department for credentials if you don't have username and password).
2. Select Vehicles from the navigation menu on the left side of the screen.

3. Click NEW VIN.

4. Enter a name for the new vehicle and click Add Vehicle. The new vehicle will be saved and will appear on the list below.

5. Click on the name of the new vehicle from the list.
6. Copy the UUID of the new vehicle from the URL.

7. Build and boot GENIVI Development Platform (GDP) following the instructions from the wiki.

8. Login to the device (via SSH or alternatively via USB to serial cable connected to the hardware).

9. Edit `/etc/sota.toml` and save the UUID of the device generated from the web UI.

10. Restart the systemd service of Aktualizr:

    ```bash
    systemctl restart aktualizr
    ```

11. Check the status and verify that Aktualizr has connected successfully to the RVI node:

    ```bash
    systemctl status -l aktualizr
    ```

12. Go back the web UI and select Packages from the navigation menu.
13. Click **NEW PACKAGE**.

14. Fill in all details, upload a package and click **Add PACKAGE**.

**Package Binary**

Choose File libats-2.0.0...core2_64.rpm

Add PACKAGE

15. Click on the new package from the list of all packages.

16. Click **NEW CAMPAIGN**.

17. Fill in all details for the new campaign.

18. Click **Generate Update Id**.

19. Click **Create Update**.

20. Select **Updates** from the navigation menu.

21. Locate the package and click **Details** to check the status of the campaign.

<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Start Time</th>
<th>End Time</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>libats</td>
<td>1.0.0</td>
<td>2017-04-12T06:00:00Z</td>
<td>2017-04-13T14:00:00Z</td>
<td>10</td>
</tr>
<tr>
<td>libats</td>
<td>1.0.0</td>
<td>2017-01-20T00:00:00Z</td>
<td>2017-01-21T00:00:00Z</td>
<td>2</td>
</tr>
<tr>
<td>libats</td>
<td>1.0.0</td>
<td>2017-01-27T00:00:00Z</td>
<td>2017-01-28T00:00:00Z</td>
<td>1</td>
</tr>
</tbody>
</table>

**Please allow up to 45 seconds for Aktualizr to load after restarting its systemd service**

**Related articles**

- GDP Status Reports
- Aktualizr
- GDP Tools and Project Organization
- RVI SOTA Client
- Remote Vehicle Interaction (RVI) Core Node Server