CMD & Service Management Tools

Task 5.2 Training Material
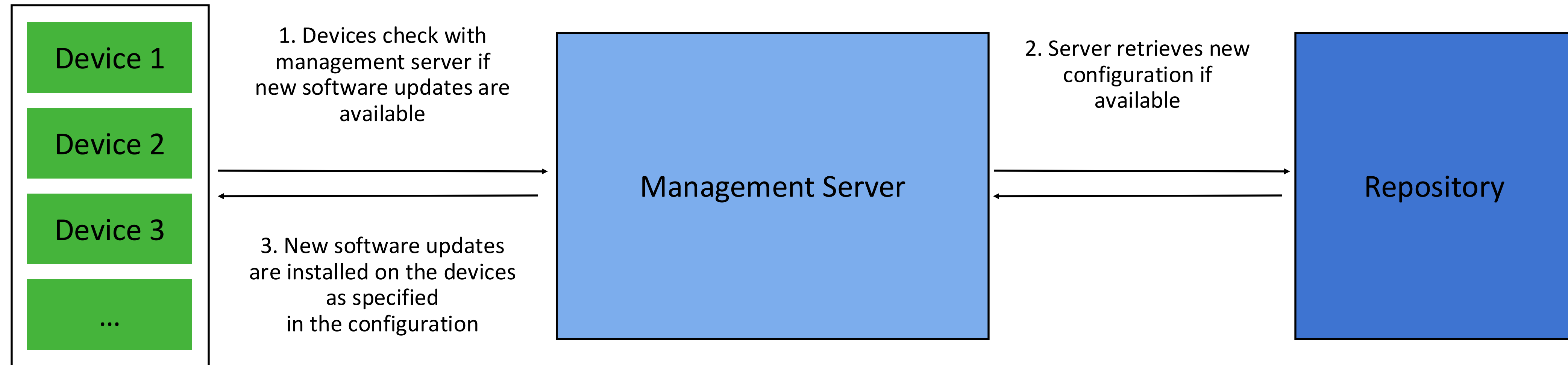
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T5.2 Objectives

- This task will provide tools for the secure management of devices and services for connected medical solutions with the aim to ensure that delivered solutions are up-to-date with latest security patches and that their faulty configuration is not increasing the surface of attack.

- As regards the devices, the tool will enable over-the-air secure update of Linux-based devices and connected micro computing devices.

- As regards services, we will provide an environment allowing us to track the status of deployed services, and manage their customized deployment on different hybrid cloud-edge infrastructures.

D5.2 Solution

- Centralised, automated workflow to manage service delivery.

- Services & device software described by files in online repository.

- Each file declares desired instantiation & runtime configuration for some services and/or CMDs.

- An update to the online repository describes service & CMD deployment state at a point in time.

- The repository is monitored to automatically reconcile desired deployment state with actual service & CMD live state.
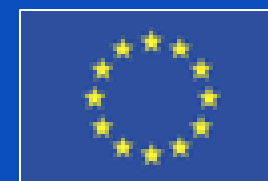
D5.2 Solution

| Device 1 |
| Device 2 |
| Device 3 |
| … |

1. Devices check with management server if new software updates are available

Management Server

2. Server retrieves new configuration if available

Repository

3. New software updates are installed on the devices as specified in the configuration

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THANK YOU FOR YOUR ATTENTION

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