Private Public Partnership Project (PPP)
Large-scale Integrated Project (IP)

D.7.2.3: FI-WARE SW Release

Project acronym: FI-WARE
Project full title: Future Internet Core Platform
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Author: FI-WARE Consortium
Contributors: FI-WARE Consortium
1.1 Executive Summary

This version of the deliverable provides the details of the second software release of FI-WARE.

The software releases take place following three standard methods:

- **Publicly**: under the tool Files of the project called FI-WARE under the FI-WARE forge
- **Restricted to PPP members and the EC**: under the tool Files of the project called FI-WARE PPP Restricted under the FI-WARE forge
- **Offered as a service**: exceptionally, a few partners host their software delivery themselves on their private infrastructures. They can supply access to the PPP members or the EC (password protected location) if requested.
1.2 About This Document

The original purpose of this document (associated to the official deliverable D.7.2.3), is to accompany the official deliverable, marked as "P". The EC requires a report with each one of the deliverables of such nature and the present document satisfies such request by giving a succinct account of the software delivered for Release 3 for the respective chapter.

1.3 Intended Audience

This document and the sw deliverables described are mainly oriented to provide an orderly report to the EC but it could also be used by anyone who has interest in installing the GEi or who wants to gain knowledge of the actual software delivered in the 3rd Release of FI-WARE.

1.4 Chapter Context

The I2ND chapter defines an enabler space for providing Generic Enablers (GEs) to run an open and standardised network infrastructure. The infrastructure deals with highly sophisticated terminals, as well as with highly sophisticated proxies, on one side, and with the network operator infrastructure on the other side. This latter will be implemented by physical network nodes, which typically will be under direct control of an operator, or the node functionality will be virtualised – in this case the I2ND functionality can be accessed by further potential providers, like virtual operators. The I2ND chapter defines four GEs, as represented in the figure:

- CDI (Connected Device Interface) towards the Connected Devices. These devices include, but are not limited to, mobile terminals, tablets, set top boxes and media phones.
- CE (Cloud Edge) towards the Cloud Proxies. Cloud Proxies are gateways, which will connect and control a set-up of nodes towards the Internet or/and an operator network.
- NetIC (Network Information and Control) towards Open Networks. Open Networks are following the idea of flow based controlled networks, and can be used for virtualisation of networks.
- S3C (Service Capability, Connectivity and Control) towards Underlying Networks. The underlying networks are following standards such as Next Generation Networks (NGNs) or Next Generation Mobile Networks (NGMNs). In the case of the S3C specified in I2ND the baseline underlying network will be the Evolved Packet Core (EPC) by 3GPP.
Each of the GEs of I2ND have specific interfaces which can be accessed by Application Developers, Cloud Services, FI-WARE and third party Enablers. Besides typical interfaces to functionality offered by such GEs, it is worth mentioning that:

- The GE S3C is the central point of the I2ND architecture. I2ND develops an enabling environment which can be used by network operators. Together with NetIC, both GEs build the environment of an operator, which might even be a virtual operator. S3C can be seen as the GE to run and steer the network infrastructure.

- The interfacing between S3C and CDI provides status and control information exchange of the device and remote control capabilities.

- Cloud proxies can be part of an operator infrastructure. Therefore it is necessary to have access to these network nodes through a standardised interface.

1.5 Structure of this Document

The document is generated out of an ad hoc wiki page.

The following resources were used to generate this document:

D.7.2.3 Fi-WARE SW Release front page
1.6 Acknowledgements

The current document has been elaborated using a number of collaborative tools, with the participation of the Working Package Leader and Architect as well as those partners in their teams acting as GEi owners.

1.7 Keyword list


1.8 Changes History

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<th>Release</th>
<th>Major changes description</th>
<th>Date</th>
<th>Editor</th>
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## 2 FI-WARE SW Release report

The following table provides a summary of the GEi’s delivered up to Release 3.3 in this chapter.

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<thead>
<tr>
<th>GE Name</th>
<th>GE implementation</th>
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<th>Repository</th>
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### Future Internet Core Platform

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**Notes:**

- The field "Repository" has three possible values ("FI-WARE", "FI-WARE PPP Restricted" or "SaaS"), depending on the standard delivery method chosen.
- An empty GEi column means that the name of the GEi is the same as the GE name (only for GEi with a single implementation)