

PDM WEBCONNECTOR PRODUCT RELEASE PLAN 2014

PDM WebConnector Version 3.8

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AGENDA

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- 3 AVAILABLE STANDARD SERVICES
- 4 SUPPORTED BASIC SOFTWARE COMPONENTS
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PDM WEBCONNECTOR

SYSTEM INTEGRATION WITH SOA TECHNOLOGY

Corporate solution for System-integration and SOA-enabling of existing PLM- and Legacy-systems

The PDM WebConnector is an approved configurable, scalable and high-performance SOA enabler for a uniform web services-based access across the enterprise.

Plan – Build – Run.

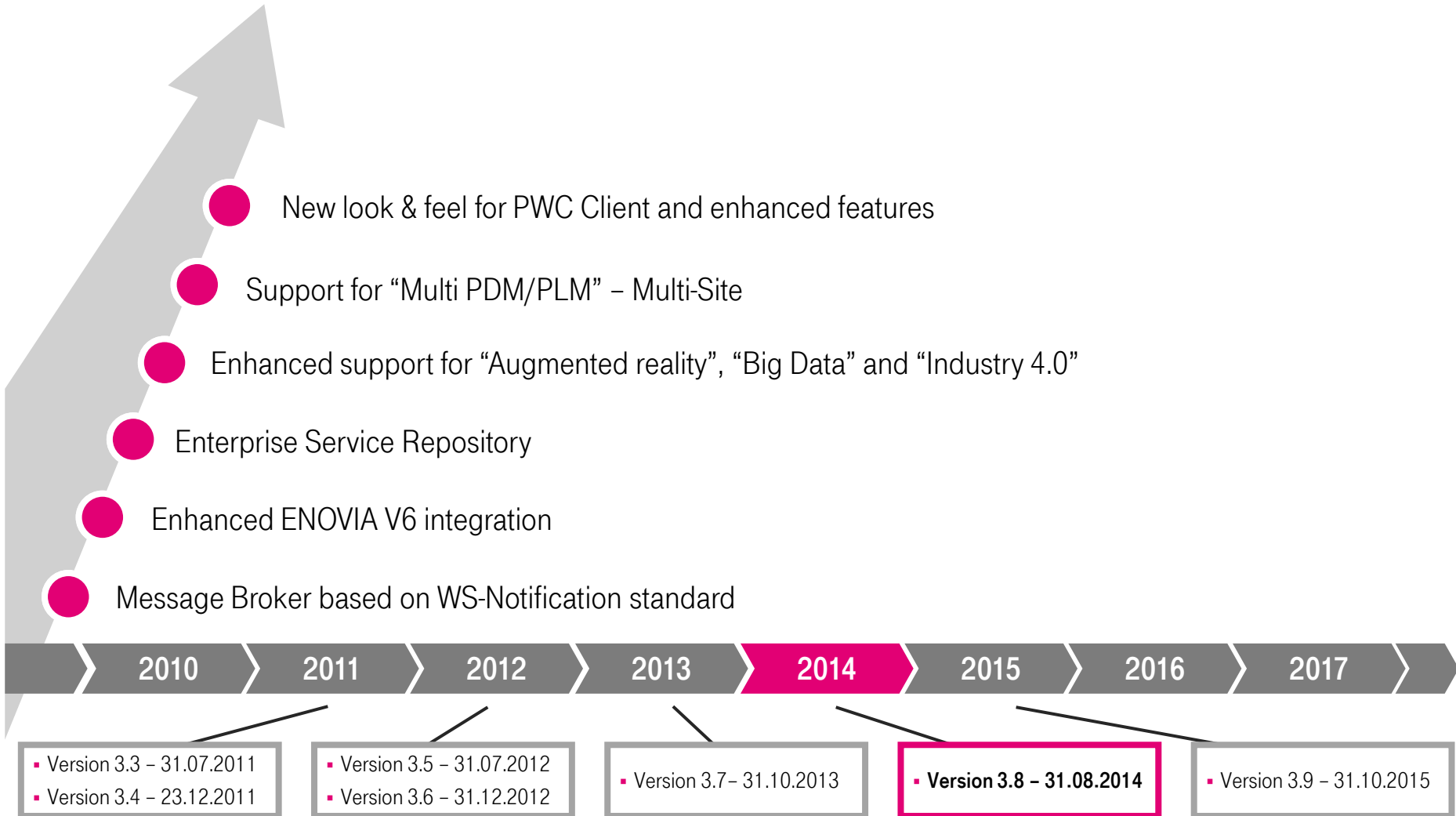
T-Systems consults customers on questions regarding PDM WebConnector and integration into existing solutions. T-Systems adapts the installation into the process and architecture at the customer's site to the scale desired.

All from one source.

With the PDM WebConnector T-Systems delivers a module, which fits seamlessly into an existing system architecture, making the legacy systems (e.g. PLM systems) web compliant and enabling the integration into consumer applications.

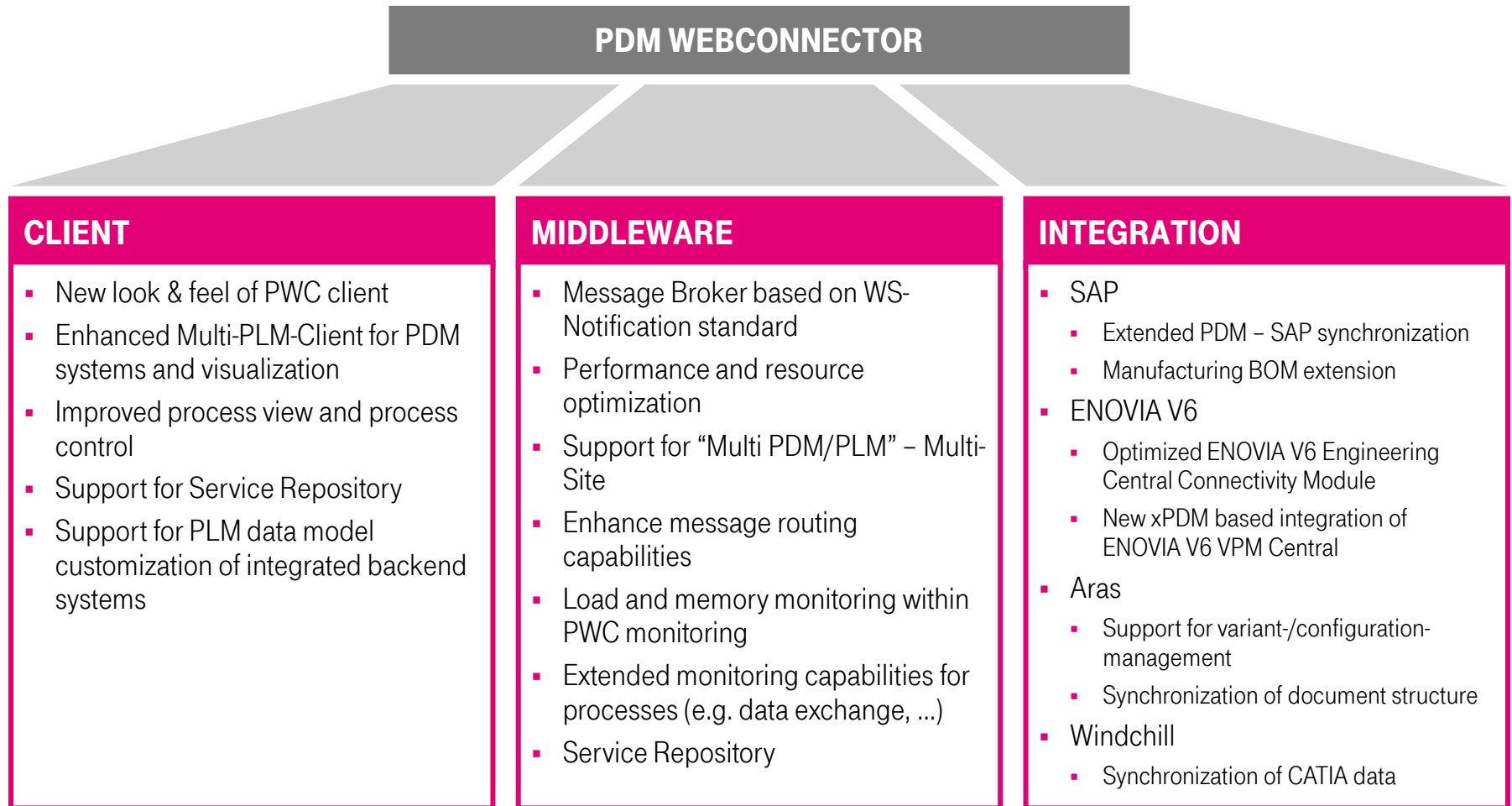
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MAIN FOCUS 2014



PDM WEBCONNECTOR

RELEASE CONTENT 3.8



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SERVICE FOR BACKEND SYSTEMS

| Service* Additional Services and Connectivity Modules on request | ENOVIA | | | Teamcenter | | | Windchill | Aras | SAP |
|--|--------|----|--------|------------|-------------|------------------|----------------------|-----------|--------|
| | VPM V4 | V6 | Delmia | Enterprise | Engineering | UA | | Innovator | SAP R3 |
| Supported Versions | | | V5 | | | V 9.0, 9.1, 10.x | V 9.0, 9.1 V 10.1 | V 9.3 | V6 up |
| Read Parts | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Read Structures | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Traverse Structures | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Write Parts | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Download Binary-Files | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Upload Binary-Files | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Synchronize | ✓ | ✓ | ⊗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Handling non Product/ Structure Data | ⊗ | ⊗ | ? | ✓ | ? | ⊗ | ⊗ | ? | ? |
| Configuration Management | ⊗ | ? | ? | ⊗ | ? | ? | ? | ? | ? |

✓ included

⊗ partially included

? on request

PDM WEBCONNECTOR

SUPPORTED BASIC SOFTWARE COMPONENTS

T-Systems provides maintenance for the latest two versions of the PDM WebConnector – other releases on request.

| AIX | WINDOWS | LINUX |
|--------------------------------|--------------------------------|--------------------------------|
| | JBoss | JBoss |
| WebSphere - Application Server | WebSphere - Application Server | WebSphere - Application Server |
| | Oracle (BEA) - WebLogic Server | |
| Tomcat | Tomcat | Tomcat |

Up to date application server (e.g. Apache Tomcat 7 or higher, IBM WebSphere 8.0 or higher)

RECOMMENDED SYSTEM REQUIREMENTS

- Quad core processor (CPU)
- 8 GB RAM
- 500 GB hard disk space
- 64-bit OS
- Java 6/7/8 64-bit (Java version depends on the used app. server.)
- Network latency times to source and destination systems <100ms

MIDDLEWARE KPIS

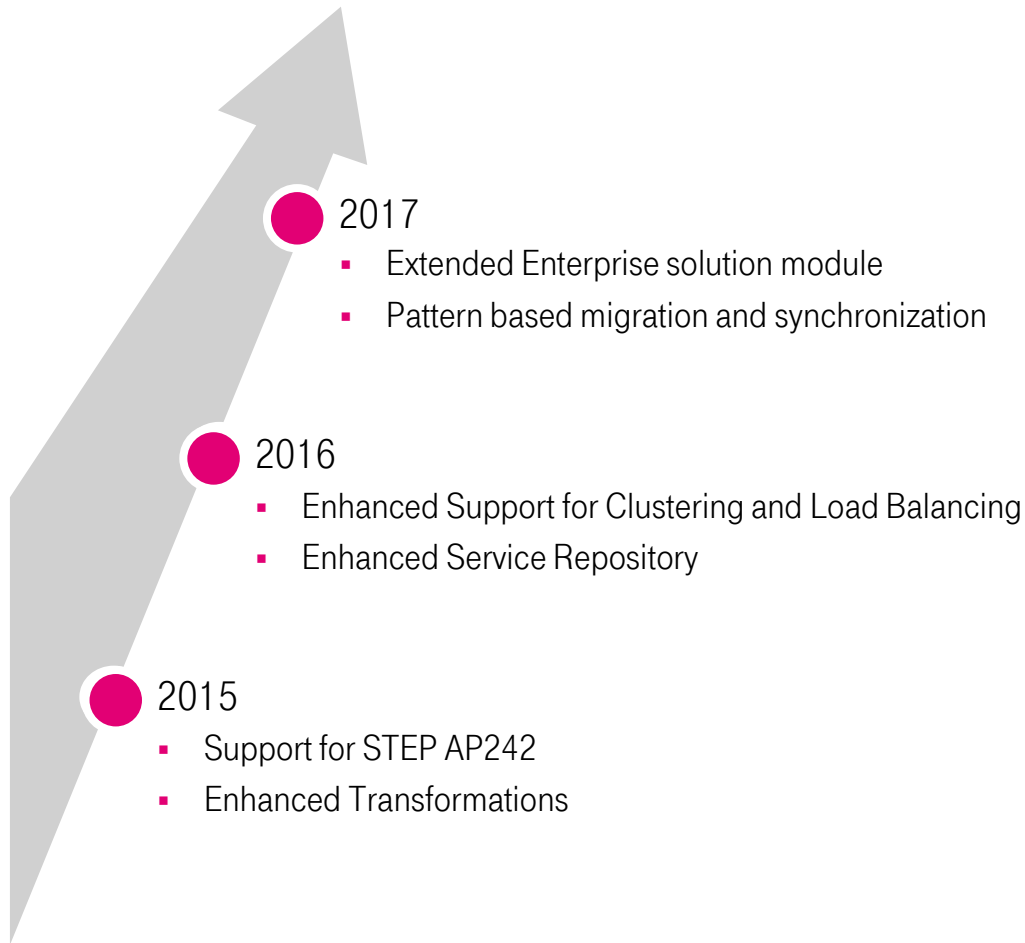
If the „recommended system requirements“ are fulfilled the following middleware KPIs can be reached.

- Calls per minute > 200
- Number of parallel sessions > 900
- Number of nodes(objects) in a Bill of Material >1000
- Average middleware-transmission-time for a single object <100 ms

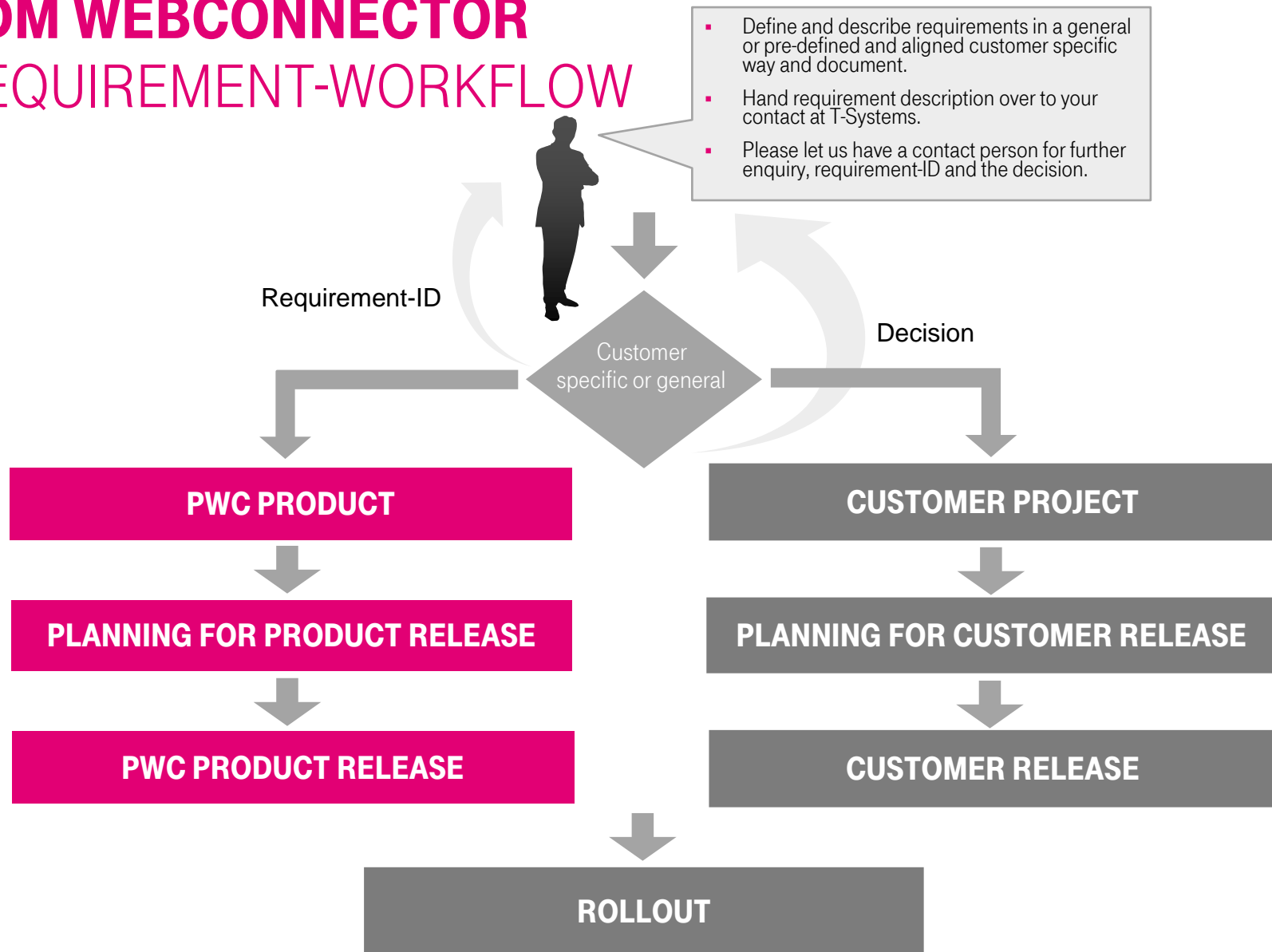
Every listed KPI should be considered as an atomic statement

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ROADMAP AND TOPICS OF INTEREST



PDM WEBCONNECTOR REQUIREMENT-WORKFLOW



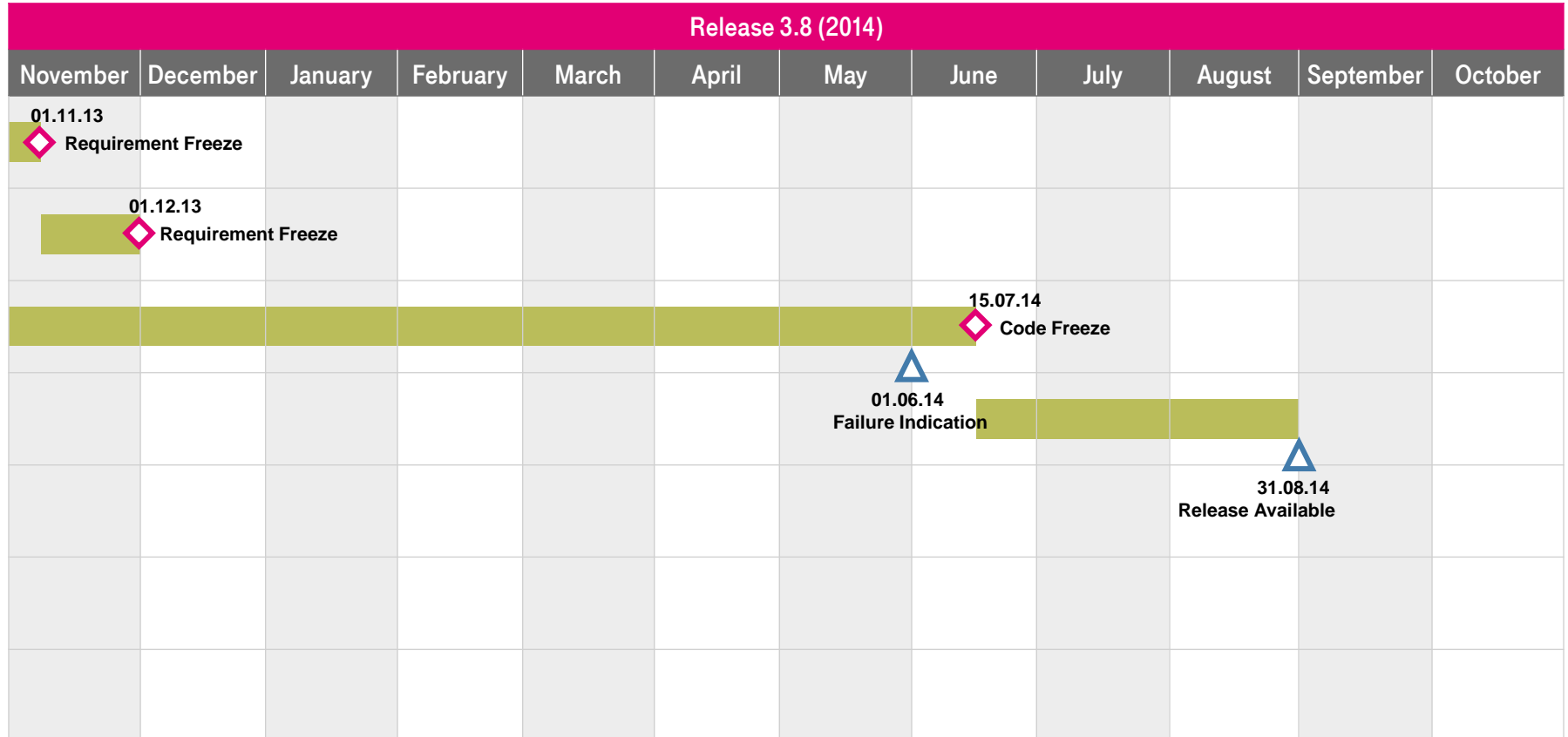
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MILESTONES 2013 - 2014

| Milestones | Version Number | Release | Planned Date | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
|-----------------------|----------------|---------|--------------|----------|----------|-----|-----|-----|-----|-----|----------|----------|----------|-----|-----|
| Requirement Freeze | Release 3.8 | Main | 01.11.13 | 01.11.13 | | | | | | | | | | | |
| Requirement Dead Line | Release 3.8 | Main | 01.12.13 | | 01.12.13 | | | | | | | | | | |
| Failure Indication | Release 3.8 | Main | 01.06.14 | | | | | | | | 01.06.14 | | | | |
| Code Freeze | Release 3.8 | Main | 15.07.14 | | | | | | | | | 15.07.14 | | | |
| Release Availability | Release 3.8 | Main | 31.08.14 | | | | | | | | | | 31.08.14 | | |

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MILESTONES 2013 - 2014



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SUPPORTED 3RD PARTY COMPONENTS

| Component Name | Version | Description |
|----------------------|---------------|-----------------------------------|
| ECCO Toolkit/Library | 3.2.x | For PLM Services and STEP Mapping |
| Derby | all | For monitoring and processes |
| DB2 | 9.7 | For monitoring and processes |
| Oracle | 11.x | For monitoring and processes |
| Apache FOP | 1.1 | For PDF generationApache FOP |
| IBM WebSphere MQ | 6.x, 7.x, 8.x | For asynchronous communication |

* Please find supported PLM Systems/Versions on slide – “Services for Backend Systems”