FUJITSU Cloud Service K5 - PF Service Description

March 23, 2017

1. PF Service Overview

   Fujitsu provides the following services:

(1) PF Basic Service

   i   Application Execution Environment

   This PF Service provides an environment which enables the Customer's Java-based applications to be deployed and executed on this PF Service.

   It also provides the system configuration packages (combinations of Web, AP, and DB) shown in Attachment Table 1 as an environment in which the applications deployed by the Customer (hereinafter "Applications") can be executed. *[1]Note that instances referred to in this Service Description are units of virtual execution of the applications on a K5 Resource.

   ii   Development Framework

   This PF Service provides the Java development framework for support of the Customer's development work for Applications.

   iii   Eclipse Plugins for Application Development

   This PF Service provides Eclipse plugins for support of the Customer's development work for Applications. Attachment Table 2 shows the types of Eclipse plugins provided.

(2) Dashboard

   This PF Service provides a dashboard for management of Applications.

   i   Notification

   The Customer can confirm the related information (such as release information)

   ii   Overview

   The Customer can confirm the operational status of Applications, the health status of the Web, AP and DB, and operation of Web and AP (start / stop/ restart)

   iii   Load Balancer Access URL

   The Customer can confirm the FQDN used to access Applications

(3) Monitoring

   i   System Monitoring

   The status of the resource for this PF Service (including the CPU usage rate and the amount of memory used) can be checked via the operations monitoring window.

(4) Application Development

   i   User Resource Management

   This Service enables new user resources (WAR files, etc.) to be registered and deployed in the Application Execution Environment.

   ii   Web and AP logs

   The Customer can obtain and download in the form of ZIP Business Logs*[2] and System Logs*[3]

   iii   Web and AP past logs

   The Customer can download past Business Logs and System Logs that are automatically preserved to the external storage as a backup in the form of ZIP.

   iv   Viewing logs (database logs)

   The Customer can obtain and download logs of the database used in this PF Service.

   v   Database

   Information on connecting to the relational database services is displayed.

   The Customer can use the relational database services by using this connection information.

(5) Environment Setting

   i   Load Balancer Setting

   The communication protocol can be changed to https by registering the Customer's certificate of purchase with the load balancer. It is also possible to remove the registered certificate from the load balancer.

   ii   Application of Patches

   The Customer can apply the patches (for software, etc.) displayed in the list of available patches as shown via the patch application view.

    iii Access Control

The Customer can specify the IP address(es) through which the deployed applications or the jump server to the database service can be accessed via the access control view.

(6) Documentation

    i Manuals

Documentation about accessing and using this PF Service is available via the K5 Service Portal. A variety of development tools (development framework and Eclipse plugins) are provided in a ready-to-download format.

    ii FAQs

FAQs related to the PF Service are available via the K5 Service Portal.

(7) Web API

The Customer can perform the followings through Web API.

    i Obtain and download of Web and AP logs and lists of Web and AP past logs

    ii User Resource Management

2.   Restrictions and Notes

(1) Refer to the following web site for the client environment under which the Customer can use this PF Service:

https://sdp-portaluser.uk-1.paas.cloud.global.fujitsu.com/appfdocs/contents/en/pf/PFServiceManual.htm

Manuals > Service Functional Overview > What is the PF Service > System Requirements

(2) This PF Service is deemed to commence when Fujitsu has completed setting up after the Customer has applied for the service in a method prescribed by Fujitsu.

(3) It is not possible to restrict external access to the Application Execution Environment provided by this PF Service, except that specific security functions are provided. Applications will remain exposed to the Internet. The Customer is solely responsible for the security of the Applications.

(4) This PF Service is available in following regions:
- Eastern Japan Region 1,
- UK Region 1
- Finland Region 1
- Germany Region 1

Footnotes:

*1   In this PF Service K5- "AP" means an instance where business logic is implemented to control the flow of business process, and "Web" means an instance which receives users' request and bridge such request to AP.

*2   "Business Logs" mean logs outputted from Customer's Applications

*3   "System Logs" mean system logs such as the logs of httpd, Tomcat, OS, etc.

Attachment Table 1:   System Configuration Package List

The application execution platform building function provides the following system configuration packages:

System configuration package	Configuration	No. of initial instances		Availability of database configuration redundancy configuration
		Web configuration	AP configuration	
Web-Application-DB Smallest scale	Web+AP+DB	1	1	No
Application-DB Smallest scale	AP+DB	-	1	No
Web-Application-DB Small scale	Web+AP+DB	2	2	No
Application DB Small scale	AP+DB	-	2	No

Apache http 2.2 Tomcat 8 (JDK 8.0) is installed as middleware for both web and AP.

Attachment Table 2:   Eclipse Plugin Types

Application architecture is standardized by defining models, use cases (business behavior), rule definitions, and business logic (Java resources), and plugins are provided to support patterned development work.

The following 6 plugin types are available for this PF Service:

Plugin name	Description	Note
Model, Catalog, and Rule Definitions	Defines the models, rules, the database tables connected to models, and the operations (search criteria, etc.) for those tables	Jul. 2016 available
SimpleEventFlow Definition	Defines the execution sequence (flow control) of service functions on a per-use-case basis (API call-out)	Jul. 2016 available
Web Page Transition Definition	Defines web page transition	Oct. 2016 available
URI Mapping Definitions	Defines the connection between the external access REST interface and the application developed by the Customer	Jul. 2016 available
Code Checker	Checks whether Java resources conform to Java coding standards	Jul. 2016 available
Impact Analysis	Conducts analysis of model definitions, rules definitions, Java resources, etc., analyzing the potential consequences of resource modification	Oct. 2016 available

*Please note that the schedule is subject to change

Supplementary Provision (July 31, 2016)

The present Service Description is effective from July 31, 2016.

Supplementary Provision (August 19, 2016)

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Supplementary Provision (November 25, 2016)

The present Service Description is effective from November 25, 2016.

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