

FUJITSU Cloud Service K5 – Private Connection Service Description

July 18, 2017

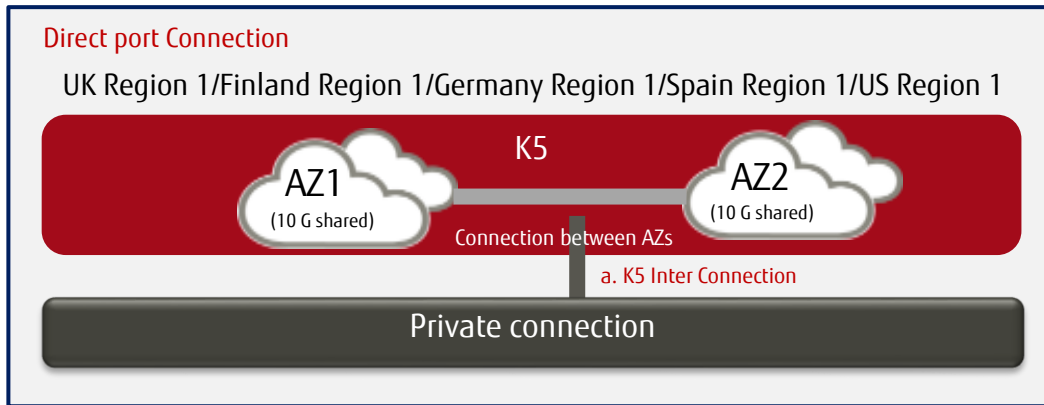
0. Pre-note

The following Service Descriptions applies to UK Region 1, Finland Region 1, Germany Region 1, Spain Region 1 and US Region 1.

1. Service Overview

This Private Connection Service provides a function of Closed User Group service between FUJITSU Cloud Service K5 environment (“K5 Environment”) and hosting, on premise or other environments that the Customer procures under a separate agreement, and ports for such connection

Provisioning diagram



(1) Private Connection Function	
a. K5 Inter Connection	i. 100 Mbps Reasonable-effort Service
	ii. 100 Mbps Bandwidth-reserved Service
(2) Direct Port Connection Function	
b. Direct Port Connection	i. 1G Reasonable-effort Service
	ii. 10G Reasonable-effort Service

2. Definitions

- (1) "Closed User Group service" is a function that enables connection among a limited group of users only or point-to-point only, without any direct connection to an external network such as the Internet.
- (2) "Per connection" is the unit of provision that applies for use of the function, and charges are applied on a per connection basis.
- (3) "Route" refers to a route installed in the routing table.
- (4) "Access connector port" refers to a physical port for the purpose of accessing the Customer’s hosting environment, etc.

3. Service Descriptions

(1) Private Connection Function

a. K5 Inter Connection

The K5 Environment and Private Connection are connected as shown in the following descriptions. The K5 Inter connection is via a K5 IaaS network connector, and, in the event of multiple network connectors, the same number of K5 Inter Connection must be arranged.

Item	Descriptions
Provisioned bandwidth	The following bandwidths are provided. Changing the provisioned bandwidth results in maintenance that involves terminating the connection. <ul style="list-style-type: none"> • 100 Mbps Reasonable-effort • 100 Mbps Bandwidth-reserved

Per connection	1VLAN
Connection layer	L3
Available protocol	IPv4
MTU	1,500 bytes
IP address	<ul style="list-style-type: none"> · Any address other than 100.64.0.0/10 · In the event that the Customer uses 100.64.0.0/10 in a hosting environment or in an on premise environment procured under a separate agreement, communication cannot be established between this address area space and the K5 Environment. · The Customer cannot use duplicate IP addresses in a Customer's network, including a hosting environment or on premise environment procured to under a separate agreement or in an outsourcing environment or FCN Network Service (on premise).
Number of K5 network connection routes	<ul style="list-style-type: none"> · The number of routes that can be reported from the K5 Environment to a private connection is 200. (Note: The Private Connection Function can report a total of 400 routes.) · The BGP session is terminated once the number of routes exceeds 200. · However, when using an on premise connection (FCN), the maximum number of routes for this Private Connection Function is 40. · Once the BGP session is terminated, recovery takes time.

- (2) Direct Port Connection function
b. Direct Port Connection

A physical port enabling direct connection to the K5 Environment without passing via the Internet or a private connection is provided as shown in the following descriptions:

Item	Descriptions
Provisioned port	<ul style="list-style-type: none"> · 1 Gbps Port · 10 Gbps Port Provisioned by VLAN tagging between the K5 Environment and the destination environment
Per connection	Physical port
Connection layer	L3
Available protocol	IPv4
MTU	1,500 bytes
Available IP address range	Any address other than 100.64.0.0/10

4. Indemnification

Fujitsu shall in no way be liable for damage incurred by the Customer as a result of the following circumstances:

- (1) Problems with the Customer's facilities and problems attributable to the Customer's facilities
- (2) Problems with access lines provided to the Customer by other telecommunications carriers and problems attributable to said lines

Attachment: Glossary

- (1) BGP (Border Gateway Protocol) is the protocol for enabling network connection devices to exchange routing information in environments in which TCP/IP is used to connect multiple networks, such as the Internet.
- (2) MTU (Maximum Transmission Unit) is the maximum IP datagram size that can be passed onward in one data transmission.
- (3) Reasonable-effort Service: Under Reasonable-effort Service, satisfactory response and/or throughput may not be obtained due to the effects of other users' traffic.
- (4) Bandwidth-reserved Service: Under the Bandwidth-reserved Service, bandwidth is reserved at the private bridges of each service. In the event of Maintenance or service impacting incidents Fujitsu will continue to reserve the bandwidth. If the Customer procures the Bandwidth-reserved Service for K5 Inter Connection, the Customer must procure the Bandwidth-guaranteed Service for other connection service within this Private Connection Service.

Supplementary Provision (July 20, 2016)

The present Service Description is effective from July 20, 2016.

Supplementary Provision (January 10, 2017)

The present Service Description is effective from January 10, 2017.

Supplementary Provision (March 1, 2017)

The present Service Description is effective from March 1, 2017.

Supplementary Provision (April 12, 2017)

The present Service Description is effective from April 12, 2017.

Supplementary Provision (July 18, 2017)

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