

## InstallationPack and ImplementationPack

### Introduction

The Fujitsu InstallationPack server or switch offers the installation of servers or switches. Installation means to mount systems into a rack and to make them ready for the implementation.

Our ImplementationPack offers onsite installation services for Qumulo® storage systems in the following versions:

- Basic (without network switches)
- Advanced (with network switches)

The services described below apply supplementary information that may also be provided in product specific Technical Appendices to this data sheet. The services cover the installation of the Qumulo® software, configuration and initial operation of the system.

### Scope of Service

Within the framework of the Implementation Pack Basic or Advanced Fujitsu provides the services described below for the system for which this service has been commissioned including all integral components listed in the respective delivery note. Where applicable, further product specific details are described in a Technical Appendix for the respective product.

Further services that are not part of the Fujitsu ImplementationPack, can be provided on request and will be charged on a time and material basis in accordance with the valid Fujitsu price list. The implementation is performed properly and according to the manufacturer's specifications by certified technicians.

The implementation is considered complete when the function test as described in the respective Technical Appendix is executed successfully. After the completion of the implementation and accomplishment of the orientation session with the customer, the system is prepared in the best possible way for further configuration and for the initial operation by the customer.

### Order codes

- FUJITSU Installation Pack Basic for Servers  
**FSP:G-IN21000PRSER** (SP SOL Int Inst Qumulo Server)
- JUNIPER Switch for Qumulo Installation Pack  
**FSP:G-IN23000PRSER** (SP SOL Int Inst Qumulo Switch)
- FUJITSU Implementation Pack Basic for Qumulo®  
**FSP:G-IN21100PRSER** (SP SOL Int Imp Qumulo Basic)
- FUJITSU Implementation Pack Advanced for Qumulo®  
**FSP:G-IN21200PRSER** (SP SOL Int Imp Qumulo Advanced)

# Service in detail

## Implementation Preparation

- **Basic:**  
Fujitsu and the customer will have a kick-off call or virtual meeting to define the implementation steps. In this kick-off call the timeline for implementation which suits both parties will be defined and the pre-installation planning checklist will be introduced and handed over to the customer. After the customer submits the pre-installation planning checklist, Fujitsu will perform a site readiness call with the customer to ensure whether the prerequisites for the contractually agreed implementation is given.
- **Advanced (Including network setup by Fujitsu):**  
In addition to the tasks described under 'Basic' there will be an additional pre-installation checklist for the implementation of the switching components, which has to be submitted by the customer. After the customer submits the pre-installation planning checklist, Fujitsu will perform a site readiness call with the customer to ensure whether the prerequisites for the contractually agreed implementation is given.

## Installation

- As detailed, the implementation covers the individual setup of the system.
- Precondition is, that the Qumulo system and, where necessary, also the switches are physically installed into the customer environment and fully wired and connected to the customer infrastructure.
- This needed installation is covered by Fujitsu's Installation Packs for Servers and/or Switches listed below.
- Minimum installation starts with 4 server nodes.
- The InstallationPack Server contains the installation of 1 server
  - mount server nodes in rack
  - connect power
  - connect to network, configuration of IPMI
- Each InstallationPack Switch contains the installation of 2 switches and up to 8 servers
  - mount switch in rack
  - connect power
  - cabling to the servers (up to 8 servers)
  - all installations are planned to be done in the same rack where the servers are.

## Implementation

- **Basic**
  - Visual inspection of the rack
  - Network connectivity checkup
  - Verification and, where applicable, update the BIOS or firmware in agreement with the customer.
  - On-site installation of Qumulo® operating system in a version released for the system
  - Basic cluster configuration without data migration
  - Update of installed Qumulo® software to desired version
  - Integration of the newly installed product in Qumulo® cloud based monitoring, if possible.
  - Includes up to server 8 nodes per implementation pack
- **Advanced (in addition to the implementation described under Basic)**
  - Implementation and configuration of FUJITSU certified JUNIPER network switches.
  - Includes the implementation of up to 8 server nodes and up to 2 switches

## System Handover

After the successful implementation Fujitsu will conduct a customer orientation session with following topics:

(Duration: 4 hours for Qumulo system + 1 hour for network)

- Cluster UI, CLI & RBAC
- Analytics
- API
- Active Directory & LDAP
- Sharing & Permissions -SMB, NFS & XPP
- Directory Structure Layouts
- Quotas
- Snapshots -Creating & Recovering Data
- Replication
- Qumulo Core Upgrades
- Adding Nodes
- Cloud Based Monitoring
- Remote Support VPN
- Qumulo Care & Trends
- Support Via Qumulo Customer Care
- Handover of network integration documentation (if switch implementation is done by Fujitsu)
- Q&A

The customer has to provide a conference room and projector for this orientation session.

After this Fujitsu will handover the system with a protocol and acceptance of the customer by signature that the implementation was completely performed in accordance with the description for the purchased ImplementationPack.

## Service Time

Service specialists with product and system-specific knowledge perform the implementation at the agreed date and during the local business hours (standard service time) that may vary between countries. Standard service time.

Please see details for respective country under <http://www.fujitsu.com/fts/support-local-terms>

Any different implementation times can be agreed if required and against payment of additional costs.

## Travel Expenses

Travel cost for server or switch installation is included as standard in the installation packs.

Implementation is assumed to be delivered remotely and, therefore, no travel costs are included in Implementation Pack pricing outside of DE, AT and CH. If a requirement dictates that implementation activities must be delivered on site then the associated costs will be charged additionally.

## Prerequisites

The following prerequisites apply for the execution of the ImplementationPacks Basic and Advanced as ordered:

- The required infrastructure (connections for the power supply, LAN, Fibre Channel, SCSI, etc.) including the necessary building cabling, are to be provided by the customer in such a way that they can be connected to the system.
- Installation of the hardware (server and switches) and establishment of the physical connections.
- The system and all other components required for the installation are located directly at the installation location.
- Basic configuration parameters, as defined in the pre-installation planning checklist. The implementation service must be claimed by the customer within 90 days after placement of the order. Fujitsu reserves the right to increase the fee for the ImplementationPack after this period.
- Customer has to provide a conference room and projector for the orientation session.

## Exclusions

This Fujitsu ImplementationPack is only available for the initial installation of new FUJITSU certified Qumulo@server nodes.

Planning or design services for the integration of the systems into the IT environment of the customer or an assessment of the IT environment are not included in the ImplementationPack. Fujitsu offers separate services for this.

This service does not include installation or configuration of additional switches and/or networking equipment. We do not offer advanced performance testing or tuning as a part of this service.

As a part of this service, Fujitsu will not load, manage, migrate, or manipulate your data.

## Available for this Countries

We are offering this service in the following countries: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Luxembourg, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, United Kingdom

## Legal Information / General Terms and Conditions

In addition to this data sheet, which includes a final list of the features of the services, the general business terms and conditions of the respective local Fujitsu entity for the performance of the services in its respective local version shall apply.

Please refer to: [Terms and Conditions](#)

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU ETERNUS DX500 S5, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

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## More information

Learn more about Fujitsu, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

[www.fujitsu.com](http://www.fujitsu.com)

## Fujitsu green policy

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.

Please find further information at <http://www.fujitsu.com/global/about/environment>

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## Contact

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