

# NASStorage SmartExtend

## ***Add NAS capacity on demand !***

SmartExtend is a technology connecting a NAS and its storage systems using Fast- or Gigabit ports. The operation requires a SmartExtend initiator, as a NAS head, and one or more SmartExtend target systems, as external storage systems.

With the SmartExtend technology, the storage capacity is no longer limited by the number of ATA hard drives a NAS system can physically be connected to. When a NAS system is running out of storage space, just install a SmartExtend target system and deploy its storage into the NAS.

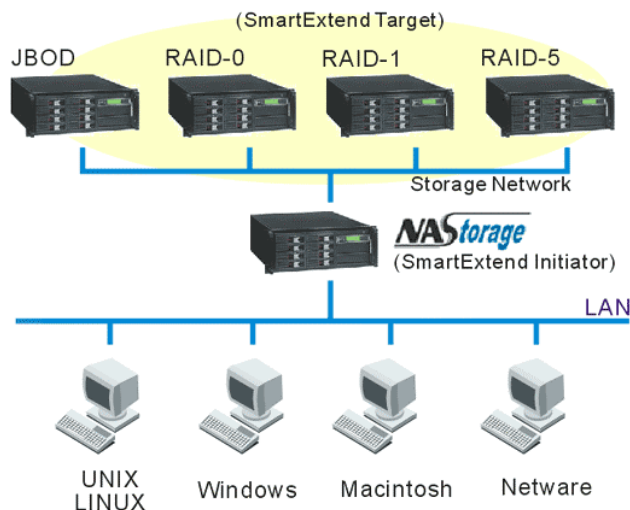
### **Features**

- Connects to SmartExtend target systems (storage) using Fast-/Gigabit-Ethernet and IP technology
- Improved data availability with ASR (Automatic SmartExtend Restoration) technology
- Manages user accounts, security settings, quota controls and backups centrally on the SmartExtend initiator

### **Benefits**

- Add NAS capacity when necessary
- Manage security controls centrally on the SmartExtend initiator
- Unified name space – only one server name for easy client access

### **A sample network topology for SmartExtend**



In this diagram, a NASStorage system acts as a SmartExtend initiator. It connects to 4 SmartExtend target systems using Fast- or Gigabit connections. Each SmartExtend target offers a volume for the initiator's use. All clients access data using the same server name – the one of the SmartExtend initiator.

## Screenshots of administration web-pages

The screenshot displays the 'SmartExtend Network-Attached Devices' section of an administration interface. At the top, there is a navigation menu with links for Server, Network, Volume, Security, Event, Status, Backup, and Virus Scan. Below this, there is a secondary menu with links for Information, Create, Delete, Expand, SmartExtend, and Scan. The main content area shows a table of devices with the following data:

Device	Target IP	Target Volume	RAID Type	RAID Status	Capacity	Status
SED1	192.168.115.1	N/A	N/A	N/A	N/A	disconnected
SED2	192.168.115.1	RAID5	RAID 5	Ready	56 GB	connected

Below the table, there are three buttons: 'Add', 'Remove', and 'Change User'. A 'Refresh' button is also visible in the top right corner of the table area.

The screenshot was captured from a SmartExtend initiator. This page lists all the SmartExtend target volumes registered into the initiator, either connected or disconnected. RAID type(s) and RAID status are also shown here.

## Requirements

- One NASStorage™ system with the SmartExtend initiator feature activated. It is an optional feature which requires a license key for activation.
- One or more NASStorage™ systems configured as SmartExtend targets. All models of NASStorage™ systems can become SmartExtend targets.

## Supported NASStorage™ models

Features	4100T 4100R	8100T 8100R	4200R	4400R	8200T 8200R
<b>SmartExtend Initiator</b>	N/A	N/A	Optional	Optional	Optional
<b>SmartExtend Target</b>	Yes	Yes	Yes	Yes	Yes