

snapserver[®] XSR

Configuration Guide November 2014



SnapServer® XSR Series Configuration Guide

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1 Introduction

This document is intended as a guide for configuring and ordering SnapServer NAS Systems, Optional Expansion, Software and Service. It is primarily intended as a “what should be ordered with what” guide and provides an overview of the features and functionality of each of the options available. This has been designed as an “all inclusive” guide as much as possible but should not be used as a complete substitute for Datasheets and/or administration guides.

This first part of this guide (Sections 2 through 5) is divided in to the following sections:

- SnapServer NAS Systems – providing an overview of available SnapServer NAS Systems
- SnapServer NAS Capacity Expansion – providing an overview for the SnapServer Expansion storage available for scalable SnapServer NAS Systems.
- SnapServer NAS Software Solutions – providing an overview of GuardianOS™ and available software options that work with GuardianOS based SnapServer NAS Systems.
- Overland Storage Services for SnapServer NAS Systems and Software – providing an overview of the service offerings available for existing as well as discontinued SnapServer NAS systems.

The second part of this guide (Section 6) then provides full details on configuring a solution with the logical steps to follow (including part numbers).

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2 SnapServer XSR Series NAS Systems

SnapServer NAS Systems are a complete family of platforms, software solutions and services designed to store and protect data allowing the deployment of “right-sized” storage to various locations within a small to medium business or enterprise.

Designed as NAS and iSCSI appliances to take advantage of industry standards for centralized storage and access to data, SnapServer NAS Systems are also robust servers providing enough processing power for data protection, replication and system management applications.

2.1 SnapServer XSR Series NAS Systems

SnapServer XSR Series NAS Systems are designed to manage higher workload levels and capacities and are, by design, scalable with the addition of SnapServer Expansion storage.

	SnapServer XSR 40
Processor(s)	1.8GHz Processor
Memory	2GB standard (4GB Max)
Power Supplies	Single power supply, 150W 100-240 VAC
Drive Type in Head	SATA II
SAS Expansion HBA	Optional
Expansion	Up to 3 SnapExpansions

2.1.1 SnapServer XSR 40

The SnapServer XSR 40 is a 1U, 4-Bay rack mount Network Attached Storage server. The XSR 40 is sold as a bundle with drives. Drive 4-packs and singles can be purchased separately to add internal capacity. The unit must be purchased with a minimum of 4 hard drives. In addition to the 4 internal drive bays, up to 216TB additional capacity can be added via the optional SAS connection which supports up to 3 JBOD units. Each configuration includes 1 x 1.8GHz processor; 2GB of Memory (1 x 2GB Memory Module); Dual Gigabit Ethernet ports; One power supply; and a Rack Mount Kit. It supports Dynamic RAID with single or dual parity, or traditional RAID 0, 1, 5, 6 and 10. Tape attachment for backup is supported with an optional SAS expansion card or via USB port. Software Included: GuardianOS 7, iSCSI, Snapshot. The following table provides a summary of the SnapServer XSR 40 configuration.

	SnapServer XSR 40
Form Factor	1U
Max Raw Internal/External Capacity	24TB / 240TB
Memory	2GB
Network Standard	2 x 1GbE
Power Supply	Single Standard
Expansion Port	SAS (Optional)
Expansion Option	Up to 3 Expansion Chassis

Note: SnapServer XSR 40 units are sold without drives or as a chassis/drive bundle. Drives may be ordered in 4-packs or as singles. *Drives used in the SnapServer XSR 40 must be obtained from Overland Storage and have SnapServer XSR Series drive carriers.*

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2.1.2 SnapServer XSR 120

The SnapServer XSR 120 is a 2U, 12-Bay rack mount Network Attached Storage server. The XSR 120 is sold as a bundle with either 4-drives or 12-drives included. In addition to the 12 internal drive bays, up to 504TB additional capacity can be added via the included SAS connection which supports up to 7 SnapExpansion units. Each configuration includes 1 x processor; 4GB of Memory (1 x 4GB Memory Module); Dual Gigabit Ethernet ports (expandable up to 6 ports with the addition of the quad-port Gigabit Ethernet PCIe Cards; Supports 10GbE with the optional 10GbE card); Dual power supplies; and a Slide Rail Rack Mount Kit. It supports Dynamic RAID with single or dual parity, or traditional RAID levels 0, 1, 5, 6 and 10. Tape attachment for backup is supported with the daisy chained via SAS connector or via USB port. Software Included: GuardianOS, Snap Enterprise Data Replicator, iSCSI, Snapshot. The following table provides a summary of the SnapServer XSR 120 configuration.

	SnapServer XSR 120
Form Factor	2U
Max Raw Internal/External Capacity	72TB/576TB
Memory	4GB
Network (Standard; Optional Add-On)	Dual 1GbE (Up to 6 X 1GbE or 2 X 10GbE)
Power Supply	Dual Standard
Expansion Port	SAS (Included)
Expansion Option	Up to 7 Expansion Chassis

2.2 General Notes on SnapServer NAS Models and Configurations

2.2.1 SnapServer XSR Series Memory Configurations

The SnapServer XSR 120 includes 4GB (1 X 4GB) of memory standard with three additional memory slots, upgradeable to 16GB total with the optional 4GB memory modules. The SnapServer XSR 40 includes one 2GB memory module, upgradeable to 4GB in total with the optional 2GB memory upgrade.

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2.3 SnapServer Networking Options

2.3.1 SnapServer XSR 40 Networking

The SnapServer XSR 40 includes dual 1GbE networking ports. There are no options at this time to add additional 1GbE ports or 10GbE ports.

2.3.2 SnapServer XSR 120 Networking

The SnapServer XSR 120 includes dual 1GbE networking ports. Customers can add the quad-port 1GbE PCIe card for an additional four ports. The maximum number of supported 1GbE ports is six.

If 10GbE networking is desired, customers can purchase one of two options:

OV-ACC902030 ACC - PCIe Card, DX2, Dual Port 10GbE SFP+ NIC

This option includes two 10GbE (integrated SFP modules) optical LC connectors. Customers will require two LC-LC optical cables for connections to a 10GbE optical switch. Please note that customers will also need two SFP modules at the switch end.

OV-ACC902031 ACC - PCIe Card, DX2, Dual Port 10GbE RJ-45 NIC

This option includes two 10GbE RJ-45 copper connectors. Customers will require two CAT-6 Ethernet cables for connection to their 10GbE switch.

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3 SnapServer XSR Capacity Expansion

The guidelines below provide configuration and ordering information for SnapServer XSR Series NAS capacity .

3.1 SnapServer XSR Series Expansion

3.1.1 SnapServer XSR Series Expansion Overview

The SnapServer XSR Series Expansion can be utilized to provide additional expansion capacity to the SnapServer XSR 120 and XSR 40 systems.

The SnapServer Expansion can be configured with up to 12 SATA II, SAS or SSD Drives. SnapServer Expansion units include SAS I/O Controllers for both input from the SnapServer XSR 120 and XSR 40 system as well as daisy chaining to additional SnapServer Expansion units. The expansion units also include a rail-kit for each rack installation and a 1-meter external SAS cable for connecting to a XSR system or daisy chaining to another expansion unit.

Note: SnapServer Expansion units are sold without drives and contain 12 drive slot blanks. Drives may be ordered in 4-packs or as singles. Initially, a minimum of four drives must be ordered (to fill the four empty slots). *Drives used in the SnapServer Expansion must be obtained from Overland Storage and have SnapServer XSR Series drive carriers.*

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3.2 General SnapServer Expansion Configuration Notes

3.2.1 Interconnect

3.2.1.1 SnapServer XSR 120 Interconnect

Every SnapServer XSR 120 includes a single external SAS connection for expandability with SnapServer Expansion Chassis units. Only 1 SAS connector (included) is required for expansion. Subsequent SnapServer Expansions are connected to previously installed SnapExpansion units in a daisy chain.

The SAS connector included with the XSR 120 also supports the attachment of Tape drives for local backup. Up to 2 SAS Tape drives can be connected to either the SAS connection on the XSR 120 (SFF-8088). If the SnapExpansion is attached to the XSR 120 SAS connector, it is recommended that any tape devices be connected to a second PCIe SAS card in the SnapServer.

Note: The XSR 120 does not support expansion with SnapServer Expansion E2000 or legacy S50 JBOD units.

3.2.1.2 SnapServer XSR 40 Interconnect

The SnapServer XSR 40 includes a single PCIe expansion slot that can be used with the optional x4 SAS expansion card (OV-ACC902021). The SAS card includes one external SFF-8088 Connector. Only 1 SAS HBA is required for expansion. Subsequent SnapServer Expansion chassis are connected to previously installed SnapServer Expansion units in a daisy chain.

Note: The XSR 40 does not support expansion with SnapServer Expansion E2000 or legacy S50 JBOD units.

3.2.2 Expansion Drive Notes

The SnapExpansion Chassis can be configured with either SATA-II, SAS or SSD hard drives; however in a DynamicRAID configuration, an individual expansion chassis requires a single drive technology. Each SnapExpansion used in DynamicRAID will show up as separate storage pools under GuardianOS.

Drive 4-Packs and Singles are specific to the platform. Drive carriers are common to the SnapServer XSR series and the SnapServer XSR Expansion Chassis. Drive carriers for the SnapServer 600/500/S50 and the N2000/E2000 are not interchangeable between the two families.

The SnapExpansion XSR is backward compatible with the SnapServer DX1 and DX2 series.

3.2.3 Cables

A 1-meter SAS cable is included with each SnapServer Expansion unit for connection to either the SAS HBA (for initial SnapServer NAS Expansion) or to another SnapServer Expansion for daisy chaining.

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4 SnapServer NAS Software Solutions

SnapServer NAS Systems support a wide range of data sharing, data protection and replication solution software designed to be compatible with today's computing environment in distributed enterprises and small businesses.

4.1 GuardianOS

Every SnapServer NAS System is delivered with GuardianOS that combines file-level (NAS) with block-level (iSCSI) data on a single device to provide a simple and flexible solution ideal for any storage infrastructure. In addition to its unified storage architecture, GuardianOS offers seamless scalability for scalable SnapServer NAS systems, centralized storage management, and a comprehensive suite of data protection tools ideal for consolidating data and simplifying management to reduce storage total cost of ownership (TCO).

4.2 Replication with Snap Enterprise Data Replicator

4.2.1 Snap Enterprise Data Replicator (Snap EDR)

Snap Enterprise Data Replicator (Snap EDR) 7.2 provides a powerful, high-performance data replication and protection solution, with a comprehensive set of data management, movement, and backup capabilities. Administrators can remotely move files between servers; replicate data from their remote offices to a central server where it can be protected with established backup and restore procedures; or automatically distribute data from a central server to multiple remote offices. With Snap EDR, the administrator can implement enterprise-wide data movement, backup, disaster recovery, and compliance operations from a single location.

Snap EDR 7.2 is an option to GuardianOS 5.0 or greater and is licensed by functionality of Snap EDR (EDR Express or EDR Standard) as well as by class of platform (Workgroup, Departmental and Non-SnapServer NAS Systems). Each system participating in Snap EDR replication or backup requires a separate Snap EDR license whether it is a SnapServer NAS, Windows, Solaris, Linux or MAC OS X (10.6 or below) system.

Snap EDR 7.2 can be used to replicate data between any GuardianOS-powered SnapServer regardless of GuardianOS release provided that Snap EDR is the same version for all SnapServers participating in the replication.

4.2.1.1 Snap EDR Standard and Snap EDR Express

4.2.1.1.1 Snap EDR Standard

Snap EDR Standard Edition includes all functionality, including remote backup, as well as one-to-one, one-to-many and many-to-one replication. Snap EDR Standard can be positioned not only for disk-based backup and disaster recovery but also for data distribution and versioned disk-based backup with the advanced backup functionality included over EDR Express.

Snap EDR Standard is licensed by class of SnapServer NAS Systems as well as by client operating system (for non-SnapServer NAS systems) as follows:

- Snap EDR Standard - Windows / Mac OS X / Linux / UNIX¹
- Snap EDR Standard - Workgroup
- Snap EDR Standard – Department (Included with the SnapServer XSR 120)

¹ Snap EDR 7.2 supports Solaris as the only UNIX platform. Refer to the data sheet for specific versions.

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4.2.1.1.2 Snap EDR Express

Snap EDR Express is a value-based replication-only suite for two-node, one-to-one replication between SnapServer NAS Systems only. It is primarily positioned for disk-based backup and disaster recovery² between two SnapServer NAS systems.

Snap EDR Express is licensed by class of SnapServer NAS Systems as follows:

- Snap EDR Express - Workgroup
- Snap EDR Express - Department

4.2.1.2 Snap EDR for Workgroup or Department

Snap EDR is licensed for SnapServer NAS Systems categorized as Workgroup or Department SnapServer NAS Systems.

4.2.1.2.1 Workgroup SnapServer NAS Systems

SnapServer NAS Systems that are categorized as Workgroup are the following:

- Current SnapServer NAS Systems
 - SnapServer XSR 40
 - SnapServer XSR 120
 - SnapServer DX1

² GuardianOS also provides disaster recovery options to backup SnapServer settings that should be used in conjunction with Snap EDR for a full disaster recovery solution.

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4.2.1.2.2 Midrange and Department SnapServer NAS Systems

SnapServer NAS Systems that are categorized as Midrange or Department are both covered by the “Department” Snap EDR license and are the following models:

- Current SnapServer NAS systems
 - SnapServer XSR 120
 - SnapServer DX2

- Discontinued SnapServer NAS Systems
 - SnapServer N2000
 - SnapServer NAS 18000
 - SnapServer NAS 15000
 - SnapServer NAS 14000
 - SnapServer NAS 4500
 - SnapServer NAS 4400
 - SnapServer NAS 4200
 - SnapServer NAS 650
 - SnapServer NAS 620
 - SnapServer NAS 550
 - SnapServer NAS 520
 - SnapServer NAS 510
 - SnapServer NAS 410
 - SnapServer NAS 210

4.2.1.3 Snap EDR Upgrades

Snap EDR upgrades are available for customers that initially licensed Snap EDR Express.

4.2.1.3.1 Snap EDR Express to Snap EDR Standard upgrades

The following upgrades are available from Snap EDR Express to Snap EDR Standard:

- Snap EDR Exp/Snap EDR Std Upg-Workgroup
- Snap EDR Exp/Snap EDR Std Upg-Department

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5 OverlandCare™ Services for SnapServer Systems and Software

OverlandCare is Overland’s premier service and support program. This program provides enhanced services for customers who require either longer coverage periods or options that provide for higher system availability. We offer support upgrades at the time of system sale and support extensions for up to five years after the initial system purchase. If your SnapServer solution includes multiple products each item must be covered to the same entitlement. As a special incentive to keep your SnapServer product covered for a longer period of time we offer a discount on multiple years of support coverage when purchased at the time of sale.

5.1 OverlandCare Levels

There are four levels of OverlandCare, each offering a different range of services. As mentioned above, every SnapServer carries one of these levels as its “standard warranty”, and customers can purchase upgrades and extensions for up to 5 years after the initial system purchase. The four OverlandCare Levels are summarized in the table below.

	OverlandCare Bronze-Level 2-business day Parts Replacement	OverlandCare Silver-Level 5x9xNBD Onsite Support	OverlandCare Gold-Level 5x9x4-Hour Onsite Support	OverlandCare Platinum-Level 24x7x4-Hour Onsite Support
Unlimited Web and Email Support	•	•	•	•
Access to Online Knowledgebase	•	•	•	•
Critical Software/Firmware Updates and Patches	•	•	•	•
24x7 Telephone Assistance	•	•	•	•
Remote Problem Diagnostics & Support	•	•	•	•
2 Business Day Advance Parts Replacement	•			
Onsite Support Monday Thru Friday		•		
Next Business Day Response for Onsite Support		•	•	
4-Hour Response for Onsite Support			•	•
24x7 Onsite Support				•

5.2 Standard Warranty, Uplifts and Extensions For SnapServer Products

5.2.1 Standard Warranty

SnapServer XSR products are covered by a three-year Overland Care Bronze-Level warranty which covers all aspects of the product. The Bronze-Level warranty for SnapServer XSR includes the following:

- 24x7 Telephone support
- Advanced parts replacement, 2 business day delivery excluding recognized public and company holidays
- Software support for GuardianOS with updates and patches as available

For full details of current service programs, please refer <http://support.overlandstorage.com/support/service-coverage.html>

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5.2.2 Uplifts and Extensions

All SnapServer systems are eligible for service uplifts and extensions to augment and/or extend the standard OverlandCare warranty.

- Specially priced 3-year uplifts for OverlandCare Silver, Gold and Platinum-Levels are available at the time of purchase
- 1-year extensions for all 4 OverlandCare Levels are available to extend the SnapServer warranty to 5-years of total coverage

5.3 Supplemental Software Support

Supplemental Software Support can be purchased for each optional software product. This service is offered as an annual contract for Snap Enterprise Data Replicator (Snap EDR). To purchase Supplemental Software Service, the SnapServer system on which the software product will be run must be covered by OverlandCare service or Software maintenance.

Supplemental Software Support includes the following:

- Support offering 24x7 access to web based self-support
- Technical support access for the Software product in line with the service level of the SnapServer system on which it runs

5.4 Summary of Support Offerings for SnapServer Systems and Software

5.4.1 SnapServer XSR 120 Support Offering Summary

The following table provides a summary of the support offerings available for SnapServer XSR 120 systems.

Service Offering	Year 1	Year 2	Year 3	Year 4	Year 5
OverlandCare Bronze-Level – 24x7 Telephone Support, 2 Day Advance Parts Replacement 9x5	Standard Warranty			Optional 1-Year Extensions	
OverlandCare Silver-Level – 24x7 Telephone Support, 9x5xNBD Onsite	Optional 3-Year Uplift			Optional 1-Year Extensions	
OverlandCare Gold-Level – 24x7 Telephone Support, 9x5x4-Hour Onsite					
OverlandCare Platinum-Level – 24x7 Telephone Support, 24x7x4-Hour Onsite	Optional 1-Year Extensions				
Supplemental Software Coverage for Snap EDR					

5.4.2 SnapServer XSR 40 Support Offering Summary

The following table provides a summary of the support offerings available for SnapServer XSR 40 systems.

Service Offering	Year 1	Year 2	Year 3	Year 4	Year 5
OverlandCare Bronze-Level – 24x7 Telephone Support, 2 Day Advance Parts Replacement 9x5	Standard Warranty			Optional 1-Year Extensions	
OverlandCare Silver-Level – 24x7 Telephone Support, 9x5xNBD Onsite	Optional 3-Year Uplift			Optional 1-Year Extensions	
OverlandCare Gold-Level – 24x7 Telephone Support, 9x5x4-Hour Onsite					
OverlandCare Platinum-Level – 24x7 Telephone Support, 24x7x4-Hour Onsite	Optional 1-Year Extensions				
Supplemental Software Coverage for Snap EDR					

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6 Purchasing Guide

6.1 Scalable Systems, Expansion, Drives, System Specific Software

The tables below provide ordering information to configure SnapServer XSR 120 servers.

Following the expansion storage are additional tables for Snap EDR software specific to scalable systems. Snap EDR Software for Non-SnapServer NAS Systems are addressed in later sections of the Purchasing Guide.

6.1.1 Configuring SnapServer XSR 120 Solutions

The following steps can be used as guidance for configuring a scalable SnapServer XSR 120 solution.

Step 1	Choose and Configure a Base SnapServer XSR 120 System																				
Step 1a	<p>Choose the SnapServer XSR 120 system</p> <table border="0"> <tr> <td>OT-NAS200225</td> <td>SnapServer XSR 120, 0-drive chassis</td> </tr> <tr> <td>OT-NAS200216</td> <td>SnapServer XSR 120, 4TB Enterprise SATA Bundle (4 X 1TB)</td> </tr> <tr> <td>OT-NAS200217</td> <td>SnapServer XSR 120, 8TB Enterprise SATA Bundle (4 X 2TB)</td> </tr> <tr> <td>OT-NAS200218</td> <td>SnapServer XSR 120, 12TB Enterprise SATA Bundle (4 X 3TB)</td> </tr> <tr> <td>OT-NAS200219</td> <td>SnapServer XSR 120, 16TB Enterprise SATA Bundle (4 X 4TB)</td> </tr> <tr> <td>OT-NAS200220</td> <td>SnapServer XSR 120, 20TB Enterprise SATA Bundle (4 X 5TB)</td> </tr> <tr> <td>OT-NAS200231</td> <td>SnapServer XSR 120, 24TB Enterprise SATA Bundle (4 X 6TB)</td> </tr> <tr> <td>OT-NAS200221</td> <td>SnapServer XSR 120, 48TB Enterprise SATA Bundle (12 X 4TB)</td> </tr> <tr> <td>OT-NAS200222</td> <td>SnapServer XSR 120, 60TB Enterprise SATA Bundle (12 X 5TB)</td> </tr> <tr> <td>OT-NAS200232</td> <td>SnapServer XSR 120, 72TB Enterprise SATA Bundle (12 X 6TB)</td> </tr> </table>	OT-NAS200225	SnapServer XSR 120, 0-drive chassis	OT-NAS200216	SnapServer XSR 120, 4TB Enterprise SATA Bundle (4 X 1TB)	OT-NAS200217	SnapServer XSR 120, 8TB Enterprise SATA Bundle (4 X 2TB)	OT-NAS200218	SnapServer XSR 120, 12TB Enterprise SATA Bundle (4 X 3TB)	OT-NAS200219	SnapServer XSR 120, 16TB Enterprise SATA Bundle (4 X 4TB)	OT-NAS200220	SnapServer XSR 120, 20TB Enterprise SATA Bundle (4 X 5TB)	OT-NAS200231	SnapServer XSR 120, 24TB Enterprise SATA Bundle (4 X 6TB)	OT-NAS200221	SnapServer XSR 120, 48TB Enterprise SATA Bundle (12 X 4TB)	OT-NAS200222	SnapServer XSR 120, 60TB Enterprise SATA Bundle (12 X 5TB)	OT-NAS200232	SnapServer XSR 120, 72TB Enterprise SATA Bundle (12 X 6TB)
OT-NAS200225	SnapServer XSR 120, 0-drive chassis																				
OT-NAS200216	SnapServer XSR 120, 4TB Enterprise SATA Bundle (4 X 1TB)																				
OT-NAS200217	SnapServer XSR 120, 8TB Enterprise SATA Bundle (4 X 2TB)																				
OT-NAS200218	SnapServer XSR 120, 12TB Enterprise SATA Bundle (4 X 3TB)																				
OT-NAS200219	SnapServer XSR 120, 16TB Enterprise SATA Bundle (4 X 4TB)																				
OT-NAS200220	SnapServer XSR 120, 20TB Enterprise SATA Bundle (4 X 5TB)																				
OT-NAS200231	SnapServer XSR 120, 24TB Enterprise SATA Bundle (4 X 6TB)																				
OT-NAS200221	SnapServer XSR 120, 48TB Enterprise SATA Bundle (12 X 4TB)																				
OT-NAS200222	SnapServer XSR 120, 60TB Enterprise SATA Bundle (12 X 5TB)																				
OT-NAS200232	SnapServer XSR 120, 72TB Enterprise SATA Bundle (12 X 6TB)																				

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<p>Step 1b</p>	<p>To populate a SnapServer XSR 120 with internal capacity, choose up to 12 drives (or 8 drives for preconfigured bundles)</p> <p>SAS Drive 4-Packs (15K RPM) OT-ACC902044 HDD – SnapServer XSR 120, 600GB 15K SAS w/Carrier, 4 Pack OT-ACC902042 HDD – SnapServer XSR 120, 300GB 15K SAS w/Carrier, 4 Pack</p> <p>SAS Drive Single (15K RPM) OT-ACC902045 HDD – SnapServer XSR 120, 600GB 15K SAS w/Carrier OT-ACC902043 HDD – SnapServer XSR 120, 300GB 15K SAS w/Carrier</p> <p>SATA II Enterprise Drive 4-Packs (7200 RPM) OT-ACC902051 HDD - XSR, 6TB SATA ENT w/Carrier, 4 Pack OT-ACC902034 HDD - XSR, 5TB SATA ENT w/Carrier, 4 Pack OT-ACC902032 HDD - XSR, 4TB SATA ENT w/Carrier, 4 Pack OT-ACC902030 HDD - XSR, 3TB SATA ENT w/Carrier, 4 Pack OT-ACC902028 HDD - XSR, 2TB SATA ENT w/Carrier, 4 Pack OT-ACC902026 HDD - XSR, 1TB SATA ENT w/Carrier, 4 Pack</p> <p>SATA II Enterprise Drive Single (7200 RPM) OT-ACC902050 HDD - XSR, 6TB SATA ENT w/Carrier OT-ACC902035 HDD - XSR, 5TB SATA ENT w/Carrier OT-ACC902033 HDD - XSR, 4TB SATA ENT w/Carrier OT-ACC902031 HDD - XSR, 3TB SATA ENT w/Carrier OT-ACC902029 HDD - XSR, 2TB SATA ENT w/Carrier OT-ACC902027 HDD - XSR, 1TB SATA ENT w/Carrier</p> <p>SSD Midline MLC Drive 4-Packs OT-ACC902038 HDD – XSR 120, 480GB SSD w/Carrier, 4 Pack OT-ACC902037 HDD – XSR 120, 240GB SSD w/Carrier, 4 Pack OT-ACC902036 HDD – XSR 120, 120GB SSD w/Carrier, 4 Pack</p> <p>SSD Midline MLC Drive Single OT-ACC902041 HDD – XSR 120, 480GB SSD w/Carrier OT-ACC902040 HDD – XSR 120, 240GB SSD w/Carrier OT-ACC902039 HDD – XSR 120, 120GB SSD w/Carrier</p> <p>NOTE: Each SnapServer XSR 120 enclosure may be configured with 4 to 12 drives. If configuring with DynamicRAID, drives must be the same technology (i.e. all SATA, all SAS, or all SSD) in the SnapServer XSR 120.</p>
<p>Step 1c</p>	<p>If additional Ethernet connectivity is desired, select the following PCIe Ethernet cards. A maximum of six 1GbE ports are supported. A maximum of 2 X 10GbE ports are supported. 2 X1GbE and 2 X10GbE can be used simultaneously.</p> <p>OV-ACC902019 ACC - PCIe Card, DX, Quad Port 1GbE NIC OV-ACC902030 ACC - PCIe Card, DX2, Dual Port 10GbE SFP+ NIC (Optical LC ports are integrated into NIC) OV-ACC902031 ACC - PCIe Card, DX2, Dual Port 10GbE RJ-45 NIC</p>

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Step 2	Select and Configure SnapServer Expansion Chassis
Step 2a	Select Expansion Units OT-NAS200224 SnapExpansion XSR 12-Bay Rackmount, 0-DRIVE (Expansion for SnapServer XSR Series)
Step 2b	To populate a SnapExpansion with internal capacity, choose up to 12 drives SAS Drive 4-Packs (15K RPM) OT-ACC902044 HDD – XSR 120, 600GB SAS w/Carrier, 4 Pack OT-ACC902042 HDD – XSR 120, 300GB SAS w/Carrier, 4 Pack SAS Drive Single (15K RPM) OT-ACC902045 HDD – XSR 120, 600GB SAS w/Carrier OT-ACC902043 HDD – XSR 120, 300GB SAS w/Carrier SATA II Enterprise Drive 4-Packs (7200 RPM) OT-ACC902051 HDD - XSR, 6TB SATA ENT w/Carrier, 4 Pack OT-ACC902034 HDD - XSR, 5TB SATA ENT w/Carrier, 4 Pack OT-ACC902032 HDD - XSR, 4TB SATA ENT w/Carrier, 4 Pack OT-ACC902030 HDD - XSR, 3TB SATA ENT w/Carrier, 4 Pack OT-ACC902028 HDD - XSR, 2TB SATA ENT w/Carrier, 4 Pack OT-ACC902026 HDD - XSR, 1TB SATA ENT w/Carrier, 4 Pack SATA II Enterprise Drive Single (7200 RPM) OT-ACC902050 HDD - XSR, 6TB SATA ENT w/Carrier OT-ACC902035 HDD - XSR, 5TB SATA ENT w/Carrier OT-ACC902033 HDD - XSR, 4TB SATA ENT w/Carrier OT-ACC902031 HDD - XSR, 3TB SATA ENT w/Carrier OT-ACC902029 HDD - XSR, 2TB SATA ENT w/Carrier OT-ACC902027 HDD - XSR, 1TB SATA ENT w/Carrier SSD Midline MLC Drive 4-Packs OT-ACC902038 HDD – XSR 120, 480GB SSD w/Carrier, 4 Pack OT-ACC902037 HDD – XSR 120, 240GB SSD w/Carrier, 4 Pack OT-ACC902036 HDD – XSR 120, 120GB SSD w/Carrier, 4 Pack SSD Midline MLC Drive Single OT-ACC902041 HDD – XSR 120, 480GB SSD w/Carrier OT-ACC902040 HDD – XSR 120, 240GB SSD w/Carrier OT-ACC902039 HDD – XSR 120, 120GB SSD w/Carrier NOTE: Each SnapExpansion enclosure may be configured with 4 to 12 drives. If configuring with DynamicRAID, drives must be the same technology (i.e. all SATA, all SAS, or all SSD) in the SnapExpansion.

Step 3	Add Snap EDR Software (as appropriate)
Step 3a	Snap EDR Standard 5325301879 Snap EDR Standard – Department (Included with SnapServer XSR 120 purchase) 5325301881 SW - Snap EDR Standard - Windows / Linux / Unix

SnapServer® XSR Series Configuration Guide

SnapServer XSR 40 Systems and Specific Software

The tables below provide ordering information to configure SnapServer XSR 40.

Following the XSR 40 System are additional tables for Snap EDR software specific to SnapServer XSR 40 systems. Snap EDR Software for Non-SnapServer NAS Systems are addressed in later sections of the Purchasing Guide.

Support Options and Field Replaceable Units are also addressed as separate sections in the Purchasing Guide.

Step 1	Choose and Configure a SnapServer XSR 40 System																								
Step 1a	<p>Choose the SnapServer XSR 40 System</p> <table border="0"> <tr> <td>OT-NAS200211</td> <td>SnapServer XSR 40, 4TB Enterprise SATA (4 X 1TB)</td> </tr> <tr> <td>OT-NAS200212</td> <td>SnapServer XSR 40, 8TB Enterprise SATA (4 X 2TB)</td> </tr> <tr> <td>OT-NAS200213</td> <td>SnapServer XSR 40, 12TB Enterprise SATA (4 X 3TB)</td> </tr> <tr> <td>OT-NAS200214</td> <td>SnapServer XSR 40, 16TB Enterprise SATA (4 X 4TB)</td> </tr> <tr> <td>OT-NAS200215</td> <td>SnapServer XSR 40, 20TB Enterprise SATA (4 X 5TB)</td> </tr> <tr> <td>OT-NAS200230</td> <td>SnapServer XSR 40, 24TB Enterprise SATA (4 X 6TB)</td> </tr> </table>	OT-NAS200211	SnapServer XSR 40, 4TB Enterprise SATA (4 X 1TB)	OT-NAS200212	SnapServer XSR 40, 8TB Enterprise SATA (4 X 2TB)	OT-NAS200213	SnapServer XSR 40, 12TB Enterprise SATA (4 X 3TB)	OT-NAS200214	SnapServer XSR 40, 16TB Enterprise SATA (4 X 4TB)	OT-NAS200215	SnapServer XSR 40, 20TB Enterprise SATA (4 X 5TB)	OT-NAS200230	SnapServer XSR 40, 24TB Enterprise SATA (4 X 6TB)												
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OT-NAS200230	SnapServer XSR 40, 24TB Enterprise SATA (4 X 6TB)																								
Step 1b	<p>To populate a SnapServer XSR 40 with internal capacity, choose up to 4 drives</p> <p>SATA II Enterprise Drive 4-Packs (7200 RPM)</p> <table border="0"> <tr> <td>OT-ACC902051</td> <td>HDD - XSR, 6TB SATA ENT w/Carrier, 4 Pack</td> </tr> <tr> <td>OT-ACC902034</td> <td>HDD - XSR, 5TB SATA ENT w/Carrier, 4 Pack</td> </tr> <tr> <td>OT-ACC902032</td> <td>HDD - XSR, 4TB SATA ENT w/Carrier, 4 Pack</td> </tr> <tr> <td>OT-ACC902030</td> <td>HDD - XSR, 3TB SATA ENT w/Carrier, 4 Pack</td> </tr> <tr> <td>OT-ACC902028</td> <td>HDD - XSR, 2TB SATA ENT w/Carrier, 4 Pack</td> </tr> <tr> <td>OT-ACC902026</td> <td>HDD - XSR, 1TB SATA ENT w/Carrier, 4 Pack</td> </tr> </table> <p>SATA II Enterprise Drive Single (7200 RPM)</p> <table border="0"> <tr> <td>OT-ACC902050</td> <td>HDD - XSR, 6TB SATA ENT w/Carrier</td> </tr> <tr> <td>OT-ACC902035</td> <td>HDD - XSR, 5TB SATA ENT w/Carrier</td> </tr> <tr> <td>OT-ACC902033</td> <td>HDD - XSR, 4TB SATA ENT w/Carrier</td> </tr> <tr> <td>OT-ACC902031</td> <td>HDD - XSR, 3TB SATA ENT w/Carrier</td> </tr> <tr> <td>OT-ACC902029</td> <td>HDD - XSR, 2TB SATA ENT w/Carrier</td> </tr> <tr> <td>OT-ACC902027</td> <td>HDD - XSR, 1TB SATA ENT w/Carrier</td> </tr> </table>	OT-ACC902051	HDD - XSR, 6TB SATA ENT w/Carrier, 4 Pack	OT-ACC902034	HDD - XSR, 5TB SATA ENT w/Carrier, 4 Pack	OT-ACC902032	HDD - XSR, 4TB SATA ENT w/Carrier, 4 Pack	OT-ACC902030	HDD - XSR, 3TB SATA ENT w/Carrier, 4 Pack	OT-ACC902028	HDD - XSR, 2TB SATA ENT w/Carrier, 4 Pack	OT-ACC902026	HDD - XSR, 1TB SATA ENT w/Carrier, 4 Pack	OT-ACC902050	HDD - XSR, 6TB SATA ENT w/Carrier	OT-ACC902035	HDD - XSR, 5TB SATA ENT w/Carrier	OT-ACC902033	HDD - XSR, 4TB SATA ENT w/Carrier	OT-ACC902031	HDD - XSR, 3TB SATA ENT w/Carrier	OT-ACC902029	HDD - XSR, 2TB SATA ENT w/Carrier	OT-ACC902027	HDD - XSR, 1TB SATA ENT w/Carrier
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OT-ACC902029	HDD - XSR, 2TB SATA ENT w/Carrier																								
OT-ACC902027	HDD - XSR, 1TB SATA ENT w/Carrier																								
Step 1c	<p>Select Additional Memory (if desired)</p> <table border="0"> <tr> <td>OV-ACC902022</td> <td>ACC - Memory Module, DX1, 2GB DIMM</td> </tr> </table> <p>NOTE: SnapServer XSR 40 Systems are provided with 2GB (1 x 2GB) memory and have a total of 2 memory slots for a maximum memory configuration of 4GB.</p>	OV-ACC902022	ACC - Memory Module, DX1, 2GB DIMM																						
OV-ACC902022	ACC - Memory Module, DX1, 2GB DIMM																								
Step 1d	<p>Add a Slide Rail Kit (if desired)</p> <table border="0"> <tr> <td>OT-ACC902046</td> <td>ACC - Slide Rail Kit, XSR 40</td> </tr> </table> <p>NOTE: SnapServer XSR 40 systems include Fixed Rack Mount Brackets for 19" Cabinet Mounting; a Slide Rail Kit is only required if sliding the system forward in the Rack is desired</p>	OT-ACC902046	ACC - Slide Rail Kit, XSR 40																						
OT-ACC902046	ACC - Slide Rail Kit, XSR 40																								
Step 1e	<p>Add the SAS HBA for connection to the SnapExpansion (if desired)</p> <table border="0"> <tr> <td>OV-ACC902021</td> <td>ACC - PCIe Card, DX, SAS HBA</td> </tr> </table> <p>NOTE: SnapServer XSR 40 systems one PCIe expansion slot. The SAS HBA can be used to attached up to three SnapExpansion chassis or SAS attached tape libraries or autoloaders.</p>	OV-ACC902021	ACC - PCIe Card, DX, SAS HBA																						
OV-ACC902021	ACC - PCIe Card, DX, SAS HBA																								

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Step 2	Add Snap EDR Software (as appropriate Express or Standard)
Step 3a	Snap EDR Express 5325302015 Snap EDR Express – Workgroup (Included with SnapServer XSR 40 purchase)
Step 3b	Snap EDR Standard 5325302018 Snap EDR Standard - Workgroup

6.2 Snap EDR for Non-SnapServer NAS Systems

Snap EDR Supports Windows, Linux, MAC OS X, and UNIX platforms in addition to SnapServer NAS Systems but must be licensed separately for these additional platforms.

Step 1	Choose additional Snap EDR licenses for non-SnapServer NAS Systems as appropriate
Step 1a	Choose appropriate Snap EDR Standard Licenses 5325301881 Snap EDR Standard - Windows / Linux / Mac OS X / UNIX

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Support Options for SnapServer NAS Systems, Expansion and Software

Support options are available for all SnapServer NAS Systems, SnapServer Expansion Systems and associated SnapServer NAS software. Support, if ordered for SnapServer NAS Systems, must all be at the same level.

Note: Support options described below are for current SnapServer NAS Systems only. Support options are available for discontinued SnapServer NAS Systems and expansion. For these options, please contact Overland Storage Sales.

6.2.1 SnapServer XSR 120 Support Options

Step 1	Choose support for SnapServer XSR 120 systems as appropriate.																										
Step 1a	<p>Choose appropriate SnapServer XSR 120 Support option Support for up to 5 years can be obtained at the time of initial system purchase by combining appropriate single year offerings.</p> <table border="0"> <tr> <td>EWCAREL1R-XSR120</td> <td>OverlandCare Bronze-Level (24x7 Phone/2 Day Adv Parts Replace), 1 yr Uplift, XSR120</td> </tr> <tr> <td>EWCAREL1E-XSR120</td> <td>OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Extension, XSR120</td> </tr> <tr> <td>EWCAREL2U-XSR120</td> <td>OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 3-Yr. Uplift, XSR120</td> </tr> <tr> <td>EWCAREL2R-XSR120</td> <td>OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr. Uplift, XSR120</td> </tr> <tr> <td>EWCAREL2E-XSR120</td> <td>OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr Extension, XSR120</td> </tr> <tr> <td>EWCAREL3U-XSR120</td> <td>OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, XSR120</td> </tr> <tr> <td>EWCAREL3R-XSR120</td> <td>OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, XSR120</td> </tr> <tr> <td>EWCAREL3E-XSR120</td> <td>OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, XSR120</td> </tr> <tr> <td>EWCAREL4U-XSR120</td> <td>OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, XSR120</td> </tr> <tr> <td>EWCAREL4R-XSR120</td> <td>OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, XSR120</td> </tr> <tr> <td>EWCAREL4E-XSR120</td> <td>OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, XSR120</td> </tr> <tr> <td>EWSECURE-2U</td> <td>1 Year - SECURE DRIVE Exchange, 2U (applies to 3.5" SATA & SAS HDD only)</td> </tr> <tr> <td>EWSECURE-2USSD</td> <td>1 Year - SECURE DRIVE Exchange, 2U (applies to 2.5" SSD drives only)</td> </tr> </table>	EWCAREL1R-XSR120	OverlandCare Bronze-Level (24x7 Phone/2 Day Adv Parts Replace), 1 yr Uplift, XSR120	EWCAREL1E-XSR120	OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Extension, XSR120	EWCAREL2U-XSR120	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 3-Yr. Uplift, XSR120	EWCAREL2R-XSR120	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr. Uplift, XSR120	EWCAREL2E-XSR120	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr Extension, XSR120	EWCAREL3U-XSR120	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, XSR120	EWCAREL3R-XSR120	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, XSR120	EWCAREL3E-XSR120	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, XSR120	EWCAREL4U-XSR120	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, XSR120	EWCAREL4R-XSR120	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, XSR120	EWCAREL4E-XSR120	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, XSR120	EWSECURE-2U	1 Year - SECURE DRIVE Exchange, 2U (applies to 3.5" SATA & SAS HDD only)	EWSECURE-2USSD	1 Year - SECURE DRIVE Exchange, 2U (applies to 2.5" SSD drives only)
EWCAREL1R-XSR120	OverlandCare Bronze-Level (24x7 Phone/2 Day Adv Parts Replace), 1 yr Uplift, XSR120																										
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EWSECURE-2U	1 Year - SECURE DRIVE Exchange, 2U (applies to 3.5" SATA & SAS HDD only)																										
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6.2.2 SnapServer XSR 40 Support Options

Step 1	Choose support for SnapServer XSR 40 systems as appropriate.																								
Step 1a	<p>Choose appropriate SnapServer XSR 40 Support option Support for up to 5 years can be obtained at the time of initial system purchase by combining appropriate single year offerings.</p> <table border="0"> <tr> <td data-bbox="272 598 544 621">EWCAREL1R-XSR40</td> <td data-bbox="560 598 1299 621">OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 623 544 646">EWCAREL1E-XSR40</td> <td data-bbox="560 623 1339 646">OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Extension, XSR40</td> </tr> <tr> <td data-bbox="272 676 544 699">EWCAREL2U-XSR40</td> <td data-bbox="560 676 1177 699">OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 3-Yr. Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 701 544 724">EWCAREL2R-XSR40</td> <td data-bbox="560 701 1177 724">OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr. Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 726 544 749">EWCAREL2E-XSR40</td> <td data-bbox="560 726 1209 749">OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr Extension, XSR40</td> </tr> <tr> <td data-bbox="272 779 544 802">EWCAREL3U-XSR40</td> <td data-bbox="560 779 1209 802">OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 804 544 827">EWCAREL3R-XSR40</td> <td data-bbox="560 804 1209 827">OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 829 544 852">EWCAREL3E-XSR40</td> <td data-bbox="560 829 1242 852">OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, XSR40</td> </tr> <tr> <td data-bbox="272 882 544 905">EWCAREL4U-XSR40</td> <td data-bbox="560 882 1258 905">OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 907 544 930">EWCAREL4R-XSR40</td> <td data-bbox="560 907 1258 930">OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, XSR40</td> </tr> <tr> <td data-bbox="272 932 544 955">EWCAREL4E-XSR40</td> <td data-bbox="560 932 1291 955">OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, XSR40</td> </tr> <tr> <td data-bbox="272 984 406 1008">EWSECURE-1U</td> <td data-bbox="560 984 1209 1008">1 Year - SECURE DRIVE Exchange, 1U (applies to 3.5" SATA & SAS HDD only)</td> </tr> </table>	EWCAREL1R-XSR40	OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Uplift, XSR40	EWCAREL1E-XSR40	OverlandCare Bronze-Level (24x7 Phone/2 Day Adv. Parts Replace), 1-Yr Extension, XSR40	EWCAREL2U-XSR40	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 3-Yr. Uplift, XSR40	EWCAREL2R-XSR40	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr. Uplift, XSR40	EWCAREL2E-XSR40	OverlandCare Silver-Level (24x7 Phone/NBD Onsite), 1-Yr Extension, XSR40	EWCAREL3U-XSR40	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, XSR40	EWCAREL3R-XSR40	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, XSR40	EWCAREL3E-XSR40	OverlandCare Gold-Level (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, XSR40	EWCAREL4U-XSR40	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, XSR40	EWCAREL4R-XSR40	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, XSR40	EWCAREL4E-XSR40	OverlandCare Platinum-Level (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, XSR40	EWSECURE-1U	1 Year - SECURE DRIVE Exchange, 1U (applies to 3.5" SATA & SAS HDD only)
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6.2.3 Supplemental Software Support Options

Supplemental Software support is offered for Snap EDR. Supplemental Software support requires the system on which they are licensed to also be supported by Standard Warranty, Software Maintenance, or Overland CARE.

SnapServer Manager, GuardianOS iSCSI Target – Workgroup, GuardianOS Snapshot – Workgroup – Workgroup licenses are supported as part of the Standard Warranty, Software Maintenance, or OverlandCare for the SnapServer NAS System on which they are licensed.

Supplemental Software Support for EDR is provided as a single support option regardless of the level of license (Express or Standard³). If Supplemental Software support is selected for Snap EDR, all licenses of Snap EDR must be covered by Supplemental Software support.

Step 1	Choose support for Snap EDR as appropriate.																
Step 1a	<p>Choose appropriate Supplemental Software Support option for Snap EDR Supplemental Software Support for Snap EDR is offered by system platform. Support for up to 5 years can be obtained at the time of initial system purchase by combining a 3-year support option with 2 of the corresponding 1-year support options.</p> <table data-bbox="272 947 812 1234"> <tbody> <tr> <td>5325302157</td> <td>1-Year Supplemental, EDR, Win/Linux</td> </tr> <tr> <td>5325302157-3</td> <td>3-Year Supplemental, EDR, Win/Linux</td> </tr> <tr> <td>5325302158</td> <td>1-Year Supplemental, EDR, UNIX</td> </tr> <tr> <td>5325302158-3</td> <td>3-Year Supplemental, EDR, UNIX</td> </tr> <tr> <td>5325302152</td> <td>1-Year Supplemental, EDR, Department</td> </tr> <tr> <td>5325302152-3</td> <td>3-Year Supplemental, EDR, Department</td> </tr> <tr> <td>5325302148</td> <td>1-Year Supplemental, EDR XSR40/DX1</td> </tr> <tr> <td>5325302148-3</td> <td>3-Year Supplemental, EDR XSR40/DX1</td> </tr> </tbody> </table> <p><i>Note: Only current SnapServer NAS System platform options are listed below. For additional Supplemental Software Support options for Snap EDR on discontinued SnapServer NAS Systems, please contact Overland Storage Sales.</i></p>	5325302157	1-Year Supplemental, EDR, Win/Linux	5325302157-3	3-Year Supplemental, EDR, Win/Linux	5325302158	1-Year Supplemental, EDR, UNIX	5325302158-3	3-Year Supplemental, EDR, UNIX	5325302152	1-Year Supplemental, EDR, Department	5325302152-3	3-Year Supplemental, EDR, Department	5325302148	1-Year Supplemental, EDR XSR40/DX1	5325302148-3	3-Year Supplemental, EDR XSR40/DX1
5325302157	1-Year Supplemental, EDR, Win/Linux																
5325302157-3	3-Year Supplemental, EDR, Win/Linux																
5325302158	1-Year Supplemental, EDR, UNIX																
5325302158-3	3-Year Supplemental, EDR, UNIX																
5325302152	1-Year Supplemental, EDR, Department																
5325302152-3	3-Year Supplemental, EDR, Department																
5325302148	1-Year Supplemental, EDR XSR40/DX1																
5325302148-3	3-Year Supplemental, EDR XSR40/DX1																

³ Snap EDR Advanced (which is no longer offered as a separate license) is also covered by the same Supplemental EDR support that covers Snap EDR Express or Snap EDR Standard Editions.

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6.2.4 Accessories (ACC), Customer Replaceable Spares (CRS) and Field Replaceable Units (FRUs) for SnapServer NAS Systems and Expansion

If support options are not selected, it is highly recommended that a selection of Accessories (ACC), Customer Replaceable Spares (CRS) and Field Replaceable Units (FRUs) for the SnapServer NAS system or SnapServer Expansion unit are obtained to maximize system availability.

6.2.4.1 SnapServer XSR Accessories

Step 1	Choose Accessories and Customer Replaceable Spares for the SnapServer XSR as appropriate.
Step 1a	<p>Choose appropriate SnapServer XSR Drive ACC</p> <p>SAS Drive Single (15K RPM) OT-ACC902045 HDD – XSR 120, 600GB 15K SAS w/Carrier OT-ACC902043 HDD – XSR 120, 300GB 15K SAS w/Carrier</p> <p>SATA II Enterprise Drive Single (7200 RPM) OT-ACC902050 HDD - XSR, 6TB SATA ENT w/Carrier OT-ACC902035 HDD - XSR, 5TB SATA ENT w/Carrier OT-ACC902033 HDD - XSR, 4TB SATA ENT w/Carrier OT-ACC902031 HDD - XSR, 3TB SATA ENT w/Carrier OT-ACC902029 HDD - XSR, 2TB SATA ENT w/Carrier OT-ACC902027 HDD - XSR, 1TB SATA ENT w/Carrier</p> <p>SSD Midline MLC Drive Single OT-ACC902041 HDD – XSR 120, 480GB SSD w/Carrier OT-ACC902040 HDD – XSR 120, 240GB SSD w/Carrier OT-ACC902039 HDD – XSR 120, 120GB SSD w/Carrier</p>
Step 1b	<p>Choose appropriate SnapServer XSR System ACC</p> <p>OV-ACC902019 ACC - PCIe Card, XSR120/DX2/S2000/REO4600, Quad Port 1GbE NIC OV-ACC902021 ACC - PCIe Card, XSR/DX, SAS HBA OV-ACC902022 ACC - Memory Module, XSR40/DX1, 2GB DIMM OV-ACC902023 ACC - Memory Module, XSR120/DX2, 4GB DIMM OT-ACC902047 ACC – SnapServer USB3 PCIe Card OT-ACC902046 ACC – SnapServer XSR 40 Slide Rail Kit</p>

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6.2.4.2 SnapServer Expansion ACC and CRS

Step 1	Choose Accessories and Customer Replaceable Spares for the SnapServer XSR Series Expansion as appropriate.
Step 1a	<p>Choose appropriate SnapServer Expansion Drive ACC</p> <p>SAS Drive Single (15K RPM)</p> <p>OT-ACC902045 HDD – XSR 120, 600GB 15K SAS w/Carrier OT-ACC902043 HDD – XSR 120, 300GB 15K SAS w/Carrier</p> <p>SATA II Enterprise Drive Single (7200 RPM)</p> <p>OT-ACC902050 HDD - XSR, 6TB SATA ENT w/Carrier OT-ACC902035 HDD - XSR, 5TB SATA ENT w/Carrier OT-ACC902033 HDD - XSR, 4TB SATA ENT w/Carrier OT-ACC902031 HDD - XSR, 3TB SATA ENT w/Carrier OT-ACC902029 HDD - XSR, 2TB SATA ENT w/Carrier OT-ACC902027 HDD - XSR, 1TB SATA ENT w/Carrier</p> <p>SSD Midline MLC Drive Single</p> <p>OT-ACC902041 HDD – XSR 120, 480GB SSD w/Carrier OT-ACC902040 HDD – XSR 120, 240GB SSD w/Carrier OT-ACC902039 HDD – XSR 120, 120GB SSD w/Carrier</p>

About Overland Storage

Overland Storage is the trusted global provider of effortless data management and data protection solutions across the data lifecycle. By providing an integrated range of technologies and services for primary, nearline, offline, archival, and cloud data storage, Overland makes it easy and cost effective to manage different tiers of information over time. Whether distributed data is across-the-hall or across-the-globe, Overland enables companies to focus on building their business instead of worrying about data growth.

Overland SnapServer®, SnapSAN™, NEO® and REO® solutions are available through a select network of value added resellers and system integrators. For more information, visit www.overlandstorage.com

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