



Intel Modular Server and VTrak E-Class Supported Configurations

VERSION: 1.1
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Revision History

Version	Date	Author	Notes
0.9	10/23/08	Mark Chauvin	Initial Draft
1.0	10/27/08	Daniel Doornbos	Formatting
1.1	10/30/08	Daniel Doornbos	New diagrams, new explanations

Overview

This document outlines the supported configurations between the Intel Modular Server (IMS) and Promise VTrak E-Class subsystem.

Promise Technology only supports the connection of the Intel Storage Controller Module (SCM) with the Promise VTrak E310s/E610s. The connection between the SCM and VTrak is made via SAS cables with SFF-8088 Mini-SAS external connectors. The SCM corresponds to Intel product code AXXSCM3S.

Prerequisites

In order to configure the SCM with the VTrak, the following configuration is required:

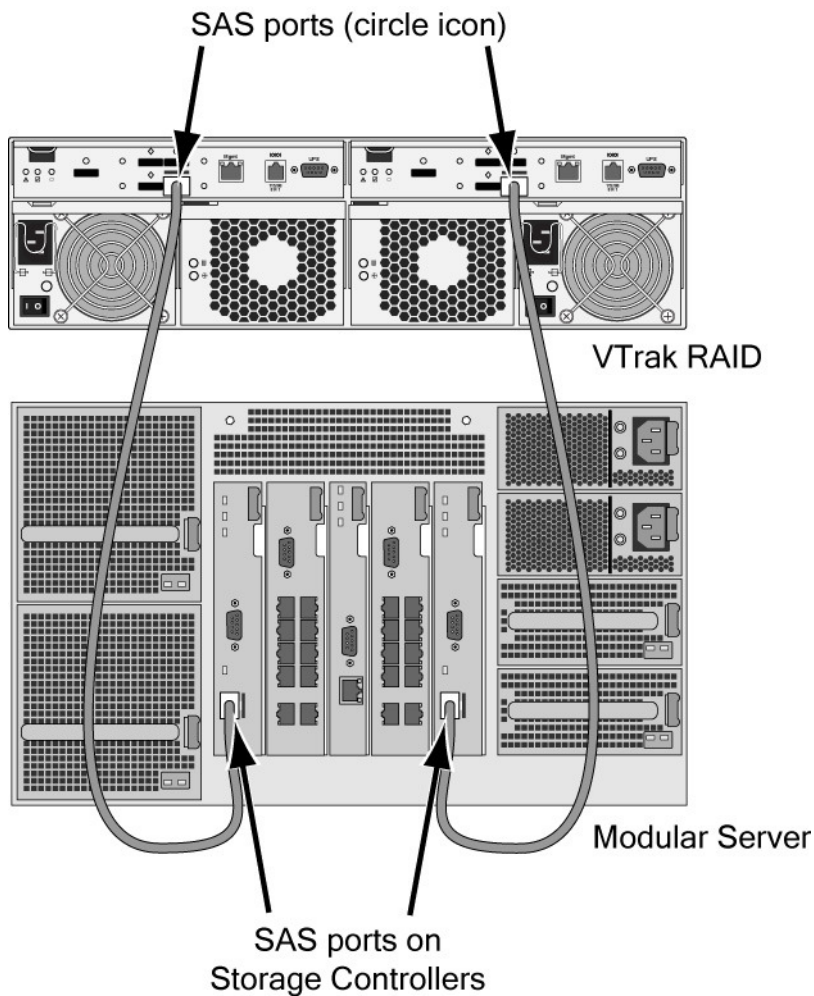
- External Port is enabled in SCM*
 - LUNs are available on VTrak
 - LUNs are associated with SCM initiators*
- * *See the IMS to VTrak E-Class Connection Guide in the Promise Knowledgebase for setup information.*

Cable Connections

The cable connections for the four supported configurations are shown on the following pages:

- I. SCM to VTrak, page 4
- II. SCM to VTrak with JBOD expansion, page 5
- III. SCM to Cascaded VTrak, page 6
- IV. SCM to Cascaded VTrak with JBOD expansion, page 7

Configuration I: SCM to VTrak



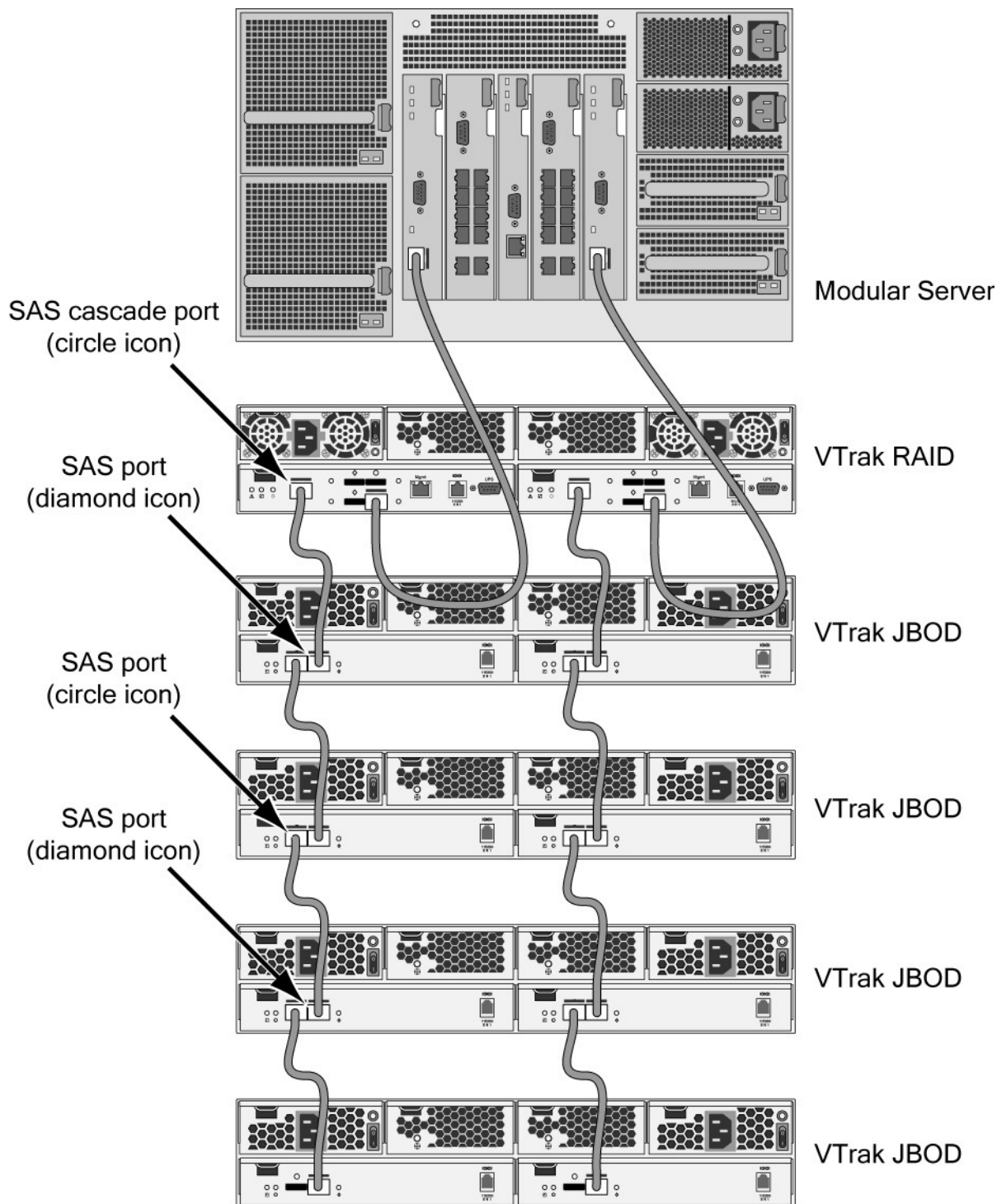
Single controller connection: One SCM connected to one VTrak controller.

Dual Controller Requirements:

- LUN Affinity Disabled on VTrak.
- Intel Software Package upgraded to dual-controller.
- Use the Intel MPIO.

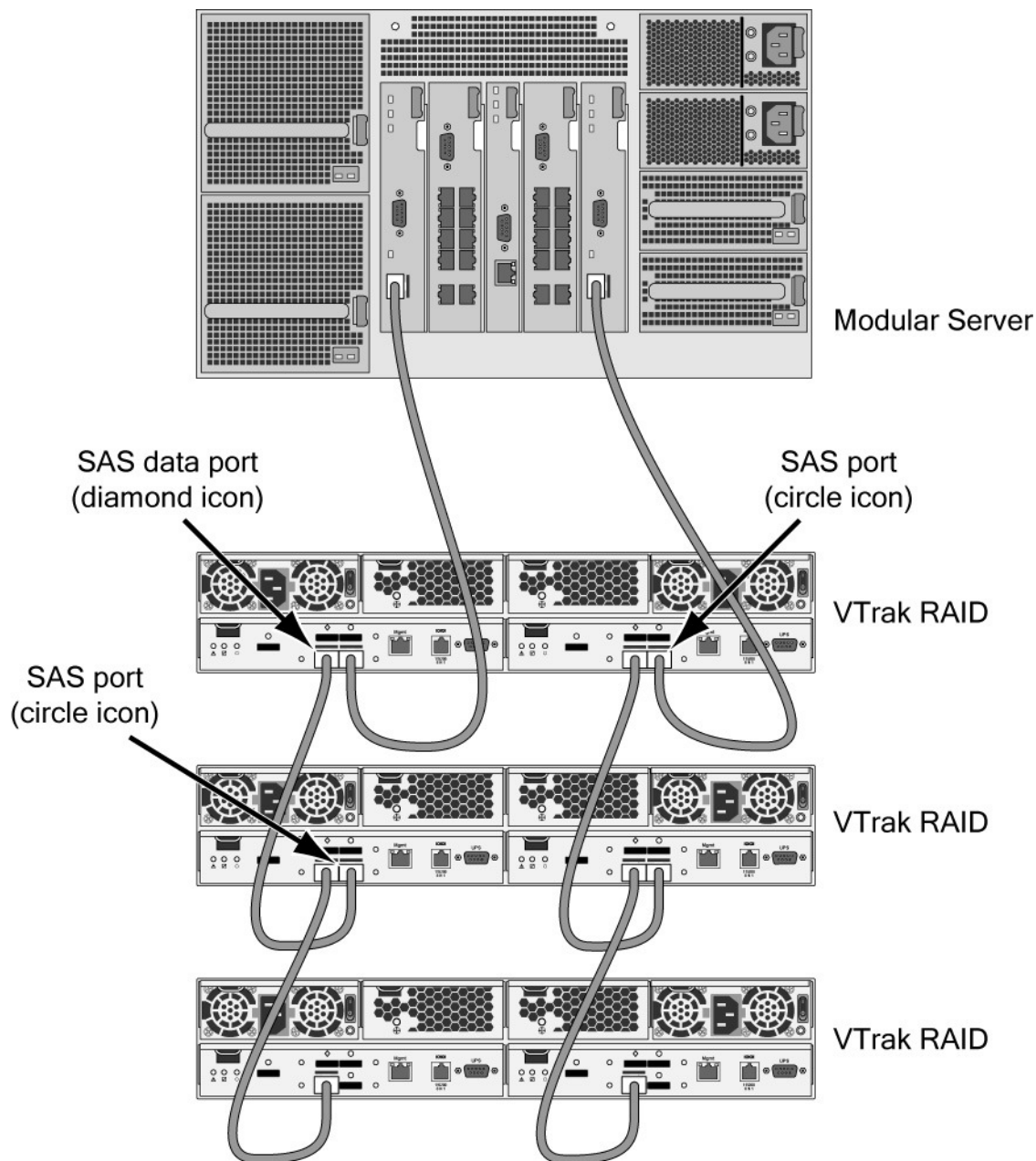
Do not install or use Promise PerfectPath.

Configuration II: SCM to VTrak with JBOD Expansion



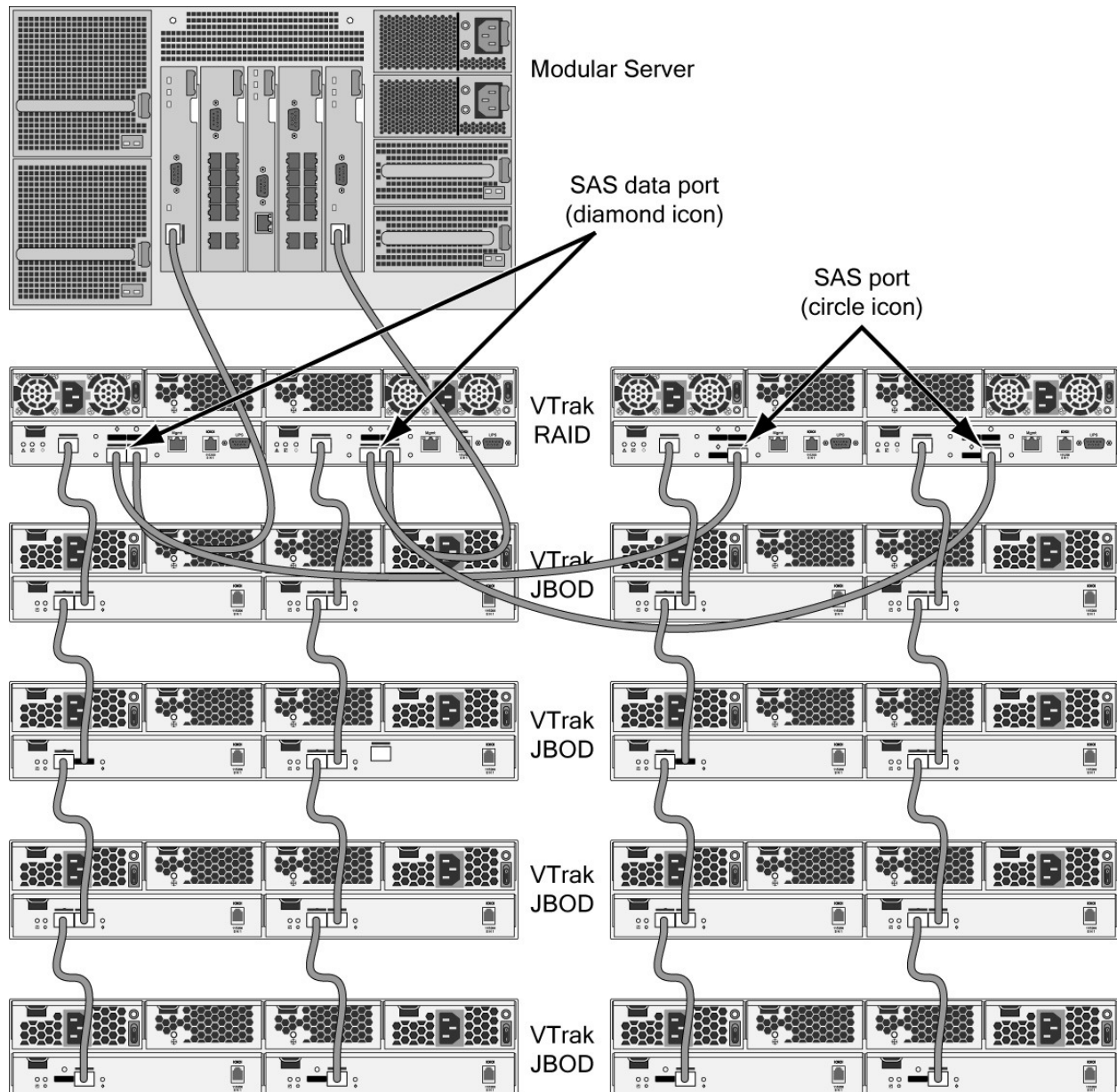
Up to four VTrak J310/J610 JBOD chassis can be expanded together.

Configuration III: SCM to Cascaded VTraks



Up to four VTrak E310/E610 subsystems can be cascaded together.

Configuration IV: SCM to Cascaded VTraks with JBOD Expansion



In this diagram, the cascade moves to the right, expansion moves down.

Up to four VTrak E310/E610 subsystems can be cascaded together.

Up to four VTrak J310/J610 JBOD chassis can be expanded together under each subsystem.