

New Product Webinar Series – Part 2

Olympus Tower & Rackmount Servers

Presenter: Dan Egan

OLY  PUS CRS

Meet the Team

Moderator



Arleen Urquhart
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Our Presenter



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Agenda

- Introduction
- About Overland-Tandberg
- Olympus Tower & Rackmount Servers
- Closing | Next Steps



About Overland-Tandberg

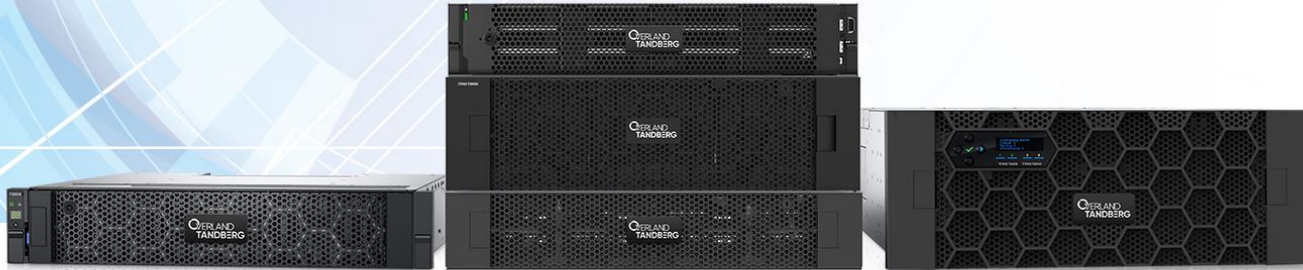
- Minority-Owned/Black-Owned/MBE
- NMSDC Certified – Diversity Supplier
- **40+** Years delivering IT data management solutions
- Global footprint in **100+** countries (Americas, EMEA, APAC)
- **4** Hybrid IT Infrastructure portfolios

Part 1 Webinar: Titan Primary & Secondary Storage



INTRODUCING TITAN PRIMARY STORAGE SOLUTIONS

Effectively manage the rapid growth of unstructured data
with our flexible, easy-to-manage scale-out solutions



Register for Replay | [OverlandTandberg.com/events/](https://www.OverlandTandberg.com/events/)

OLYMPUS
CRS

Olympus

**Tower & Rackmount
Servers**

Olympus Server

The Bedrock of the Modern Data Center

Daniel Egan
Sr. Product Line Manager
degan@overlandtandberg.com

2022

What's the opportunity for you?

Help your customers to realize their vision of a worry-free data center infrastructure that allows them to maximize performance and optimize efficiency – with no compromises.

- **Adapt and scale** to dynamic business needs
- **Automate** to sustain and grow
- **Protect** your customers and your business
- **Consolidate** customers' IT architecture across the datacentre, public cloud and the edge
- **Explore** tech opportunities and **Upsell** additional storage hardware such as SAN/DAS/JBODs, Tape-Libraries and NAS

Project Opportunities

Serve a data center project from one single source
addressing the SMB, SME, Midrange and Enterprise segments

- Olympus Servers
- Titan T2000: SAN & DAS solutions
- Titan T3000: PBBA appliance
- Titan T5000: Unified Storage
- Titan T6000: Scale-out Archive NAS

- NEO Tape libraries



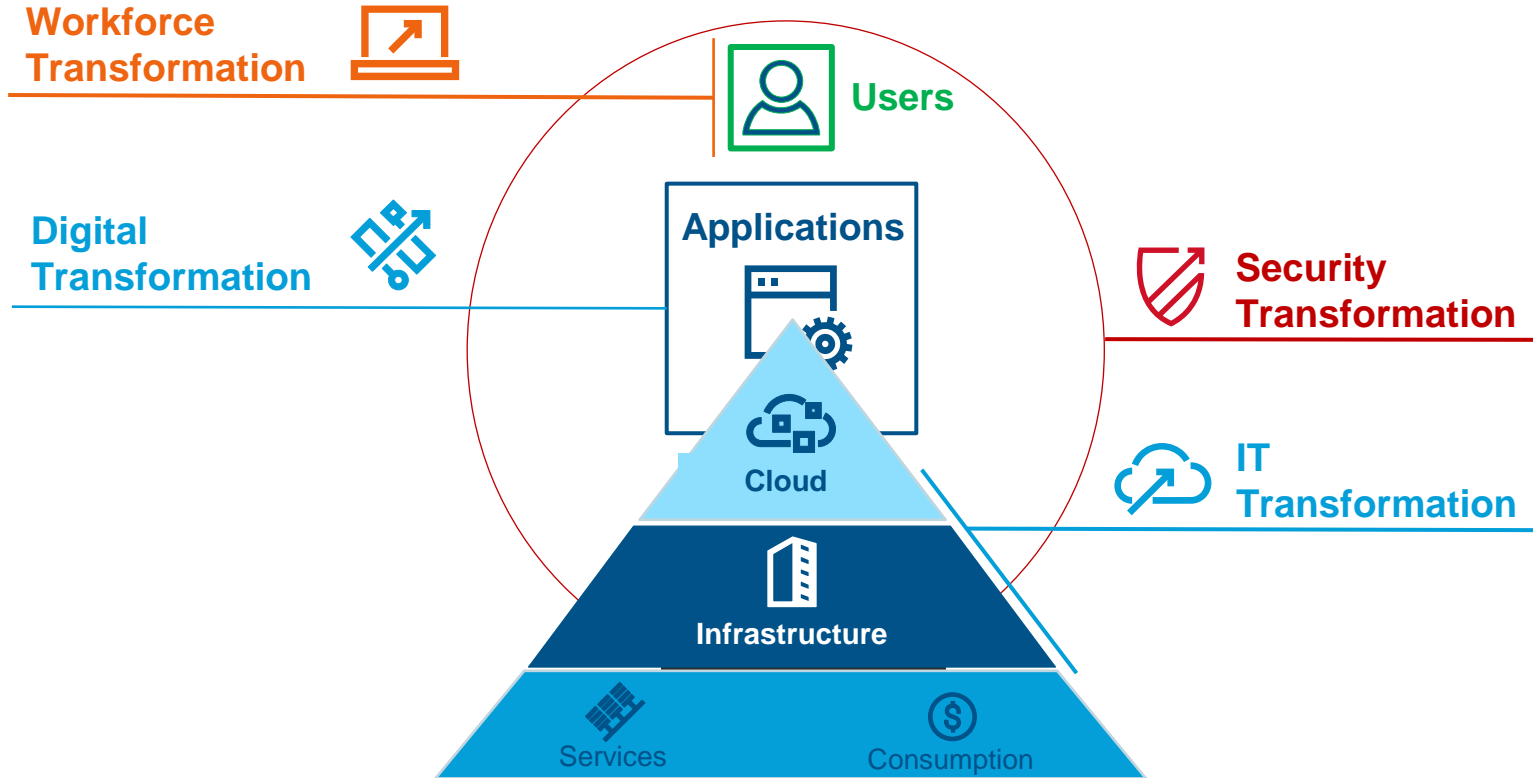
Olympus Tower and Rackmount Servers



Based on Dell PowerEdge 14G

Transforming the business

Adapting the infrastructure



Features and capabilities of modern compute

1



ADAPT AND SCALE
to dynamic business needs

2



AUTOMATE
to sustain and grow

3



PROTECT
your customers and your business

Olympus Server highlights



Scalable Business Architecture

Maximize performance across the widest range of applications with highly scalable architectures and flexible internal storage



Intelligent Automation

Automate the entire server lifecycle from deployment to retirement with embedded intelligence that dramatically increases your productivity

Reduce server configuration time*
**up to 99% with
Zero touch**



Integrated Security

Protect your customers and your business with a deep layer of defense built into the hardware and firmware of every server

Every Olympus server is designed
on a **Cyber Resilient Architecture**

Automation

Intelligent Automation

Automate the entire server lifecycle from deployment to retirement with embedded intelligence that dramatically increases your productivity

We free up IT staff from routine management tasks and improve time to resolution when an issue occurs



Simple

Automation tools that are intuitive and easy to use



Efficient

Servers that manage and update themselves



Available

Maximum uptime with scheduled updates

Security

Integrated Security

Protect your customers and your business with a deep layer of defense built into the hardware and firmware of every server

We design security into hardware and firmware for a worry-free infrastructure



Effective Protection

Innovative features and processes to protect against malicious attacks



Reliable Detection

Continuous monitoring, verification and reporting of abnormal activity



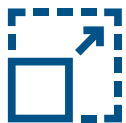
Rapid Recovery

Innovative features and processes to restore back to a trusted base

Olympus Servers

The bedrock of the modern data center

Scalable Business Architecture



Maximize performance across the widest range of applications with highly scalable architectures and flexible internal storage

Intelligent Automation



Automate the entire server lifecycle from deployment to retirement with embedded intelligence that dramatically increases your productivity

Integrated Security



Protect your customers and your business with a deep layer of defense built into the hardware and firmware of every server

The Olympus Advantages – based on Dell PowerEdge

1

Dell is the largest server vendor in the world for both units and revenue

2

\$16+ B
in sales a year

3

Over 2 million servers shipped annually to more than 100,000 customers

4

Over 30.5 M servers sold

5

Ship more than 4 servers every minute.

6

55,000 servers managed with OpenManage Enterprise at a single customer

7

#1 server in the world is the R700 series

8

PowerEdge MX
STH Editor's Choice
CRN Tech Innovators Award

Olympus Server Models



TOWERS

RACKS

with intelligent automation technology
OpenManage & iDRAC

Tower Servers

Office environment servers



Based on Dell PowerEdge T440 and T640

Olympus T400



Powerful, expandable and quiet workhorse
for your office workloads

Targeted Workloads

- Mail, messaging, file, and print
- Workgroup collaboration, virtualization and web serving

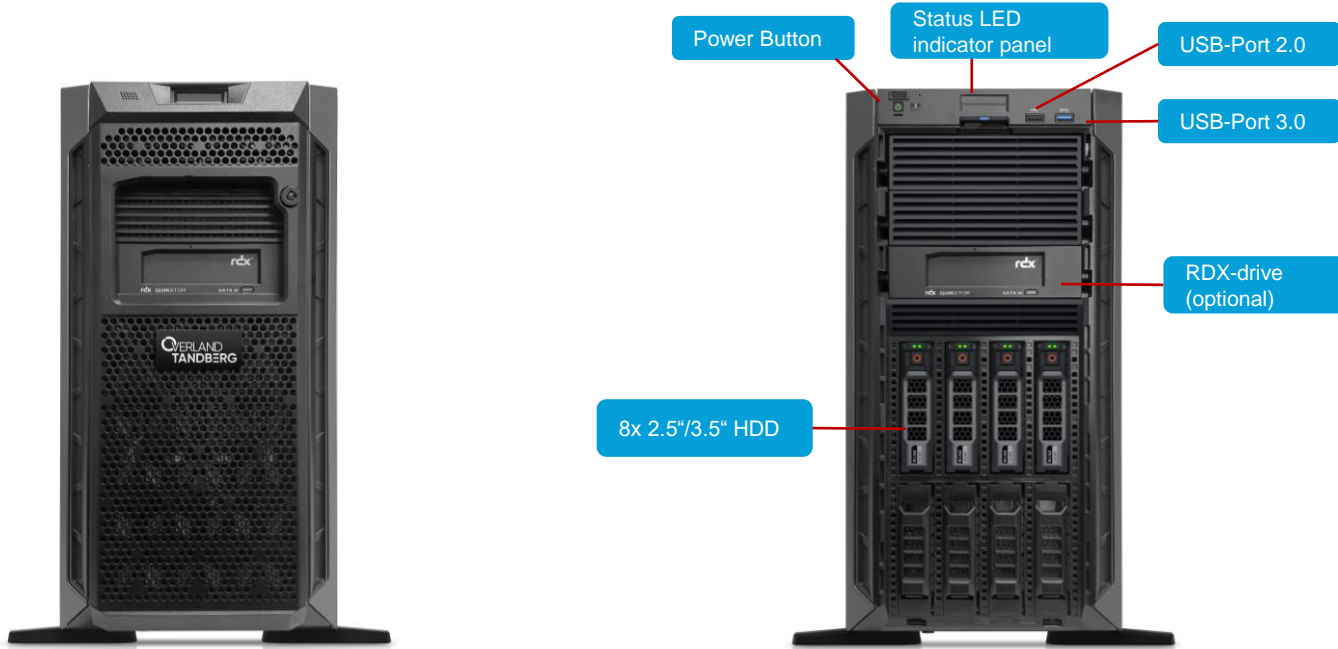
Key Capabilities

- Up to 8 x 3.5" drives
- Up to 10x 3200MT/s RDIMMs
- 2x PCIe Gen3 slots (x4)
- 2x PCIe Gen3 slots (x8)
- Short 22" depth - flex placement under a desk

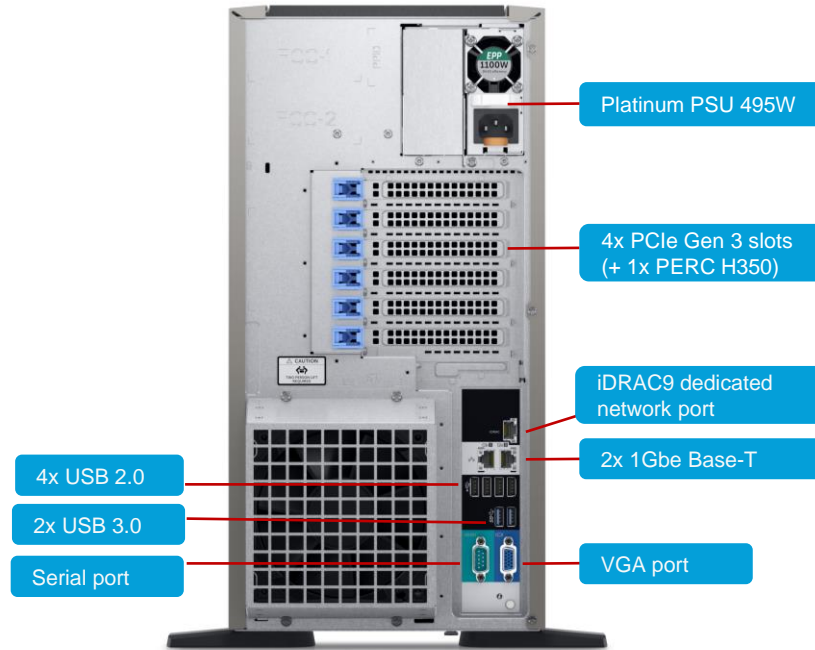
Highlights

- **1x RDX QuikStor Internal SATA III for airgapped backup (optional)**
- Quiet Office compliant for small office/home office (SOHO) and remote office/branch office (ROBO)
- Easy lifecycle manageability with integrated iDRAC
- Up to 5Y ProSupport and 4Hr Mission Critical

Olympus O-T400 – Front View



Olympus O-T400 – Rear View



Olympus T600

Versatile and scalable powerhouse with massive internal storage capacity in a tower form



Targeted Workloads

- Desktop and server virtualization
- Mail, messaging, file, and print
- workloads for mid-sized offices, remote sites and small data center

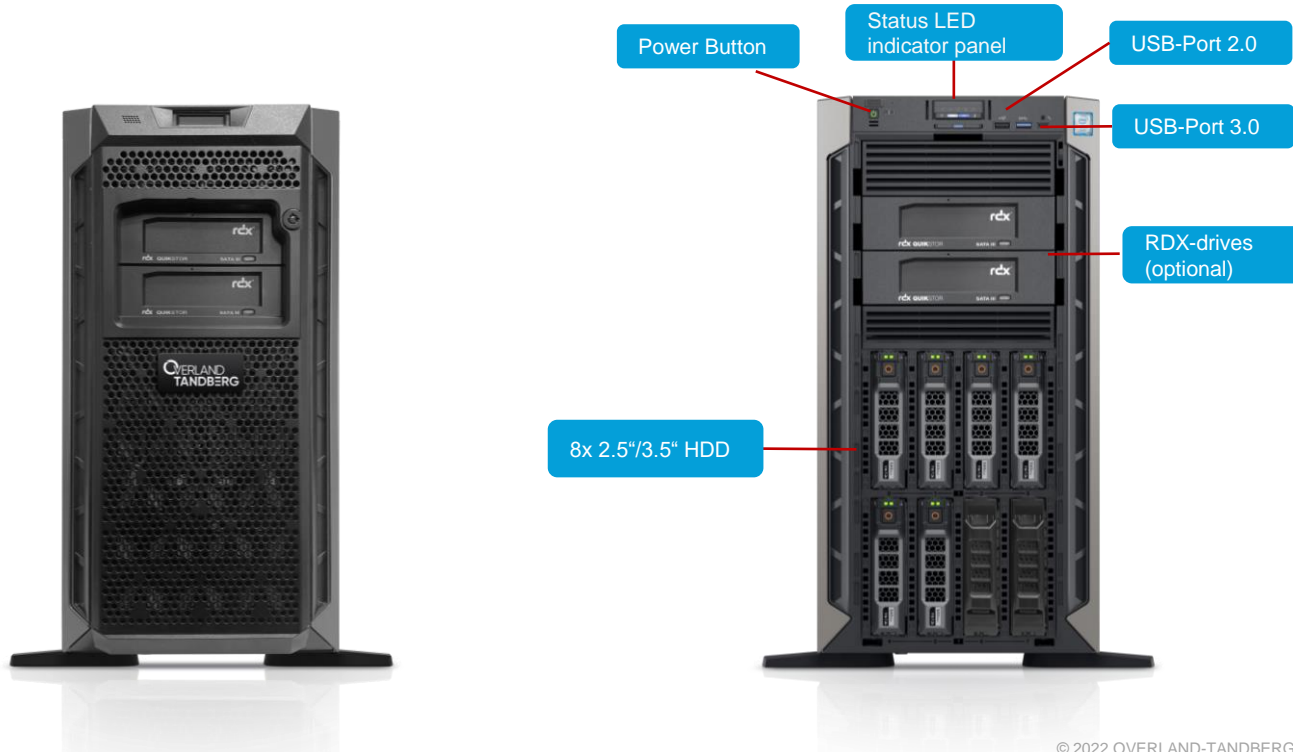
Key Capabilities

- Address data growth with up to 8 x 3.5" drives
- Up to 12x3200MT/s RDIMMs
- 2x PCIe Gen3 slots (x16)
- 1x PCIe Gen3 slot (x4)

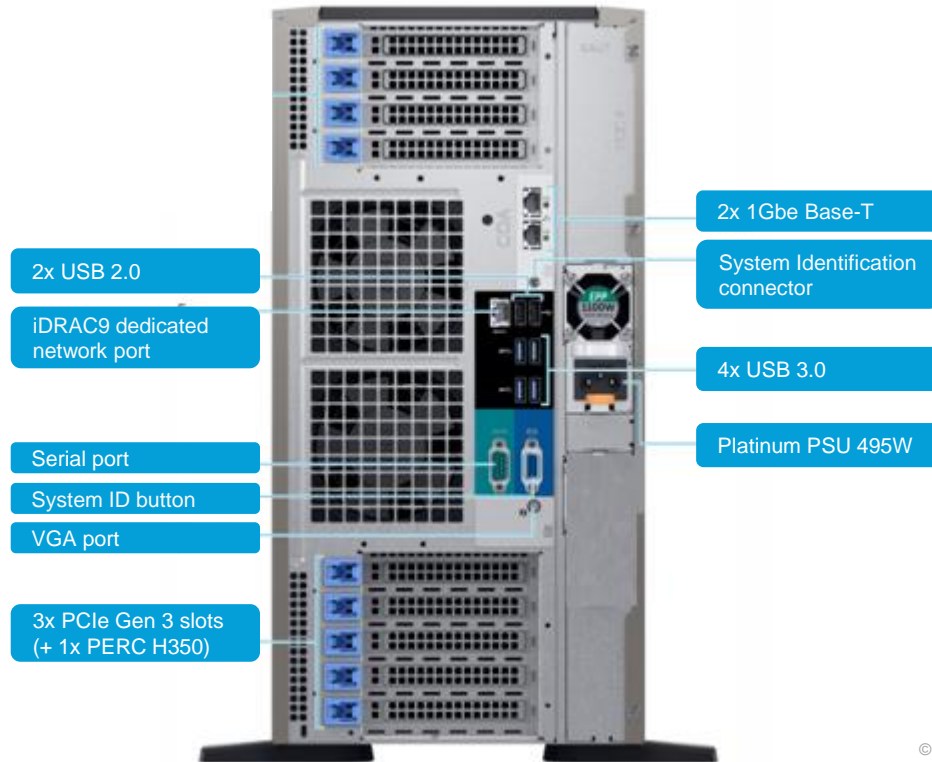
Highlights

- **2x RDX QuikStor Internal SATA III for airgapped backup (optional)**
- Security and Cyber-resilient architecture
- Powerful performance for scalable businesses
- Easy lifecycle manageability with integrated iDRAC
- Up to 5Y ProSupport and 4Hr Mission Critical

Olympus O-T600 – Front View



Olympus O-T600 – Rear View



Olympus Tower Servers

Configurations

	T400	T600
Processor	1x Intel Xeon Silver 4208 8C 2.10GHz	1x Intel Xeon Silver 4215 8C 2.5GHz
Memory	32GB RAM (2x16GB) up to 10x 3200MT/s RDIMMs	32GB RAM (2x16GB) up to 12x 3200MT/s RDIMMs
Drives (up to 8x 2.5"/3.5")	4x 1.2TB 2.5" 10K RPM SAS 0x 8TB 3.5" 7.2K RPM NL-SAS 512e Hot-plug	4x 960GB 2.5" SSD SAS 0x 8TB 3.5" 7.2K RPM NL-SAS 512e Hot-plug
Networking Connectivity	On-Board Broadcom 5720 Dual Port 1Gb LOM 1x Broadcom 57416 Dual Port 10GbE BASE-T (FH) 0x Broadcom 57412 Dual Port 10GbE SFP+ (FH)	On-Board Broadcom 5720 Dual Port 1Gb LOM 1x Broadcom 57416 Dual Port 10GbE BASE-T (FH) 0x Broadcom 57412 Dual Port 10GbE SFP+ (FH)
OS	MS Windows Server 2019 incl. 5 CAL	MS Windows Server 2019 incl. 5 CAL
Hardware Support	3Y ProSupport and Next Business Day Onsite	3Y ProSupport and Next Business Day Onsite

Olympus R-Series

For intense workloads



Based on Dell PowerEdge R740xd XL

Olympus R700/R800 Front View

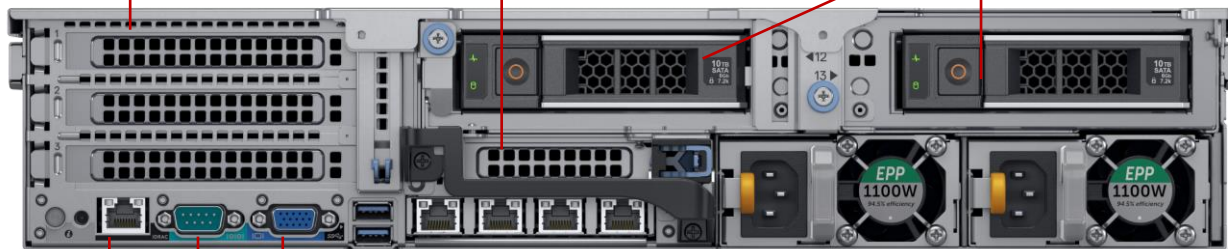


Olympus R700/R800 Rear View

3x Full-height PCIe Gen3 slots (x8):
2-port 10GbE BASE-T or
4-port 10/25GbE SFP28 or
2-port 40GbE QSFP+ or
2-port 16Gb Fibre Channel

2x 12Gbs SAS

2x 2.5"/3.5" drive slots



1x serial

2x USB 3.0

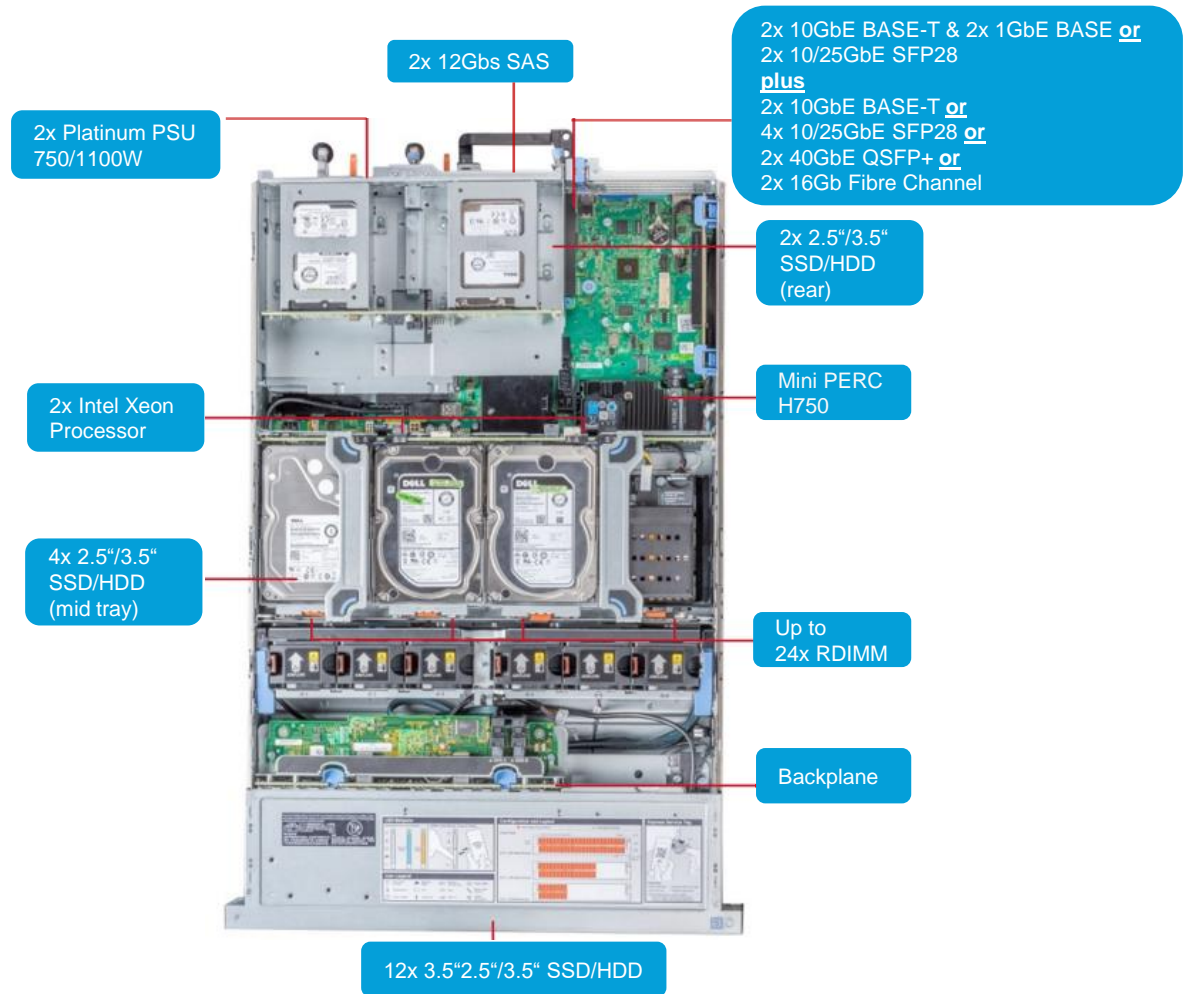
Network daughter card:
2-port 10GbE BASE-T + 2-port 1GbE BASE-T
or
2-port 10/25GbE SFP28

2x Platinum PSU
750/1100W

iDRAC9
dedicated port

1x VGA

Olympus R700/800 Inside View



Olympus R700



Ideal for various applications with storage performance, high scalability, and density

Targeted Workloads

- Software Defined Storage
- Desktop virtualization
- Service providers: data tier

Key Capabilities

- Dual Intel® Xeon® Silver Processor
- Up to 18 x 3.5" drives (12x3.5" HDDs on Front, 4x3.5" HDDs on Midplane and 2x3.5" HDDs Flexbay)
- Up to 24x 3200MT/s RDIMMs
- 3x PCIe Gen3 slots (x8)
- 1x PCIe Gen3 slot (x16)

Highlights

- scalable storage performance
- Automate productivity with intelligent, embedded management
- Multi-vector cooling delivers correct air flow to each PCIe slot
- Up to 5Y ProSupport and 4Hr Mission Critical

Olympus R800



Ideal for applications requiring best-in-class storage performance, high scalability, and density

Targeted Workloads

- Software Defined Storage
- Desktop virtualization
- Big Data, Unstructured data, Analytics
- Service providers: data tier

Key Capabilities

- Dual Intel® Xeon® Gold Processor
- Up to 18 x 3.5" drives (12x3.5" HDDs on Front, 4x3.5" HDDs on Midplane and 2x3.5" HDDs Flexbay)
- Up to 24x 3200MT/s RDIMMs
- 3x PCIe Gen3 slots (x8)
- 1x PCIe Gen3 slot (x16)

Highlights

- scalable storage performance
- Automate productivity with intelligent, embedded management
- Multi-vector cooling delivers correct air flow to each PCIe slot
- Up to 5Y ProSupport and 4Hr Mission Critical

Olympus Rackmount Servers

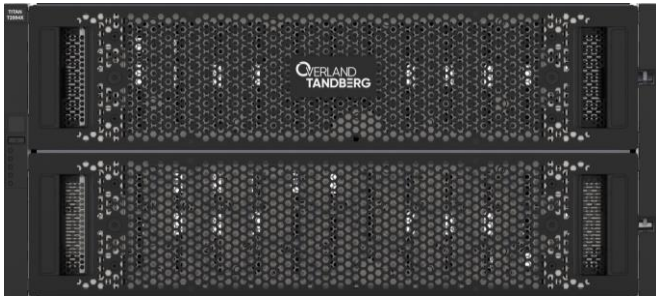
Technical specifications

	R700	R800
Processor	2x Intel Xeon Silver Silver 4208 8C 2.10GHz	2x Intel Xeon Xeon Gold 6134 8C 3.2GHz
Memory	192GB RAM (12x16GB) up to 24x 3200MT/s RDIMMs	384GB RAM (12x32GB) up to 24 3200MT/s RDIMMs
Drives (up to 18x 2.5"/3.5")	2x 960GB 2.5" SSD SAS ISE Read Intensive 512 7x 12TB 3.5" 7.2K RPM NLSAS 512e	4x 960GB 2.5" SSD SAS ISE Read Intensive 512 7x 12TB 3.5" 7.2K RPM NLSAS 512e
Networking Connectivity	1x Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC <u>or</u> 0x Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC 0x Broadcom 57416 Dual Port 10GbE BASE-T (FH) 0x Broadcom 57504 Quad Port 10/25GbE SFP28 (FH) 0x QLogic 2692 Dual Port 16Gb Fibre Channel HBA (FH) 0x QLogic 2772 Dual Port 32Gb Fibre Channel HBA (FH) 1x SAS 12Gbps HBA External Controller	1x Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC <u>or</u> 0x Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC 0x Broadcom 57416 Dual Port 10GbE BASE-T (FH) 0x Broadcom 57504 Quad Port 10/25GbE SFP28 (FH) 0x QLogic 2692 Dual Port 16Gb Fibre Channel HBA (FH) 0x QLogic 2772 Dual Port 32Gb Fibre Channel HBA (FH) 1x SAS 12Gbps HBA External Controller
OS	Windows Server IoT 2019 Std 16 Core, 5 CLT	Windows Server IoT 2019 Std 16 Core, 5 CLT
Hardware Support	3Y ProSupport and Next Business Day Onsite Service	3Y ProSupport and Next Business Day Onsite Service

Titan T2084X

JBOD Expansion Enclosure

T2084X



5U-84x 2.5/3.5" drives

- expand Olympus servers or any legacy server
- Up to 3 enclosures
- SAS 12Gb/s drives
- connected via SAS

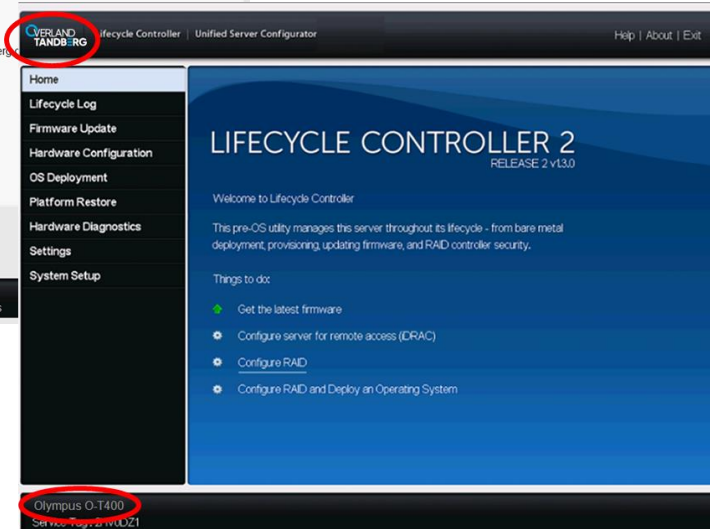
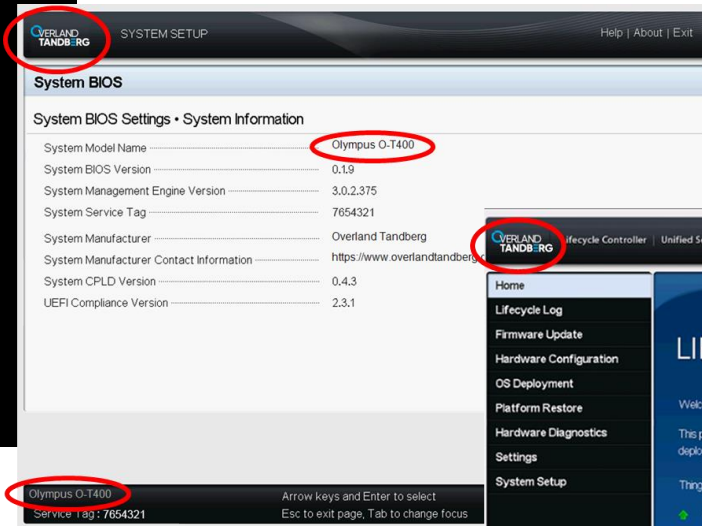
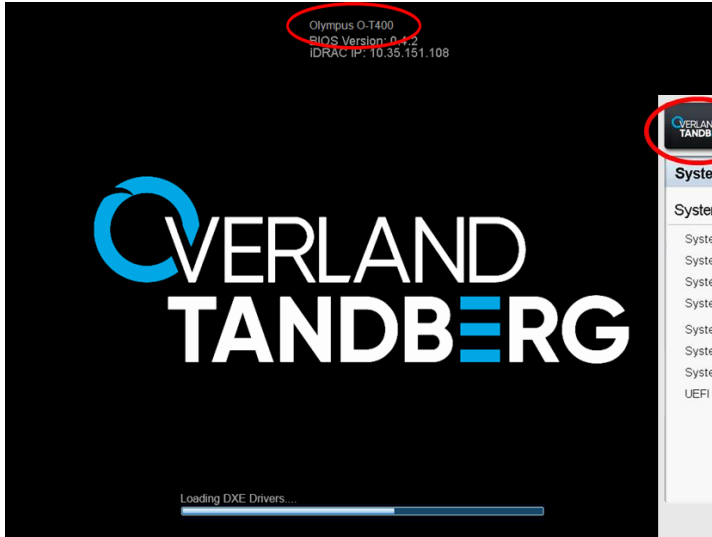
Available drives:

- ✓ 4TB 7.2K 512n 3.5"
- ✓ 8TB 7.2K 512e 3.5"
- ✓ 12TB 7.2K 512e 3.5"
- ✓ 16TB SAS ISE 7.2K 512e 3.5"
- ✓ 18TB SAS ISE 7.2K 512e 3.5"
- ✓ 2.4TB 512e 2.5" 960GB SSD SAS ISE 512 2.5"
- ✓ 1.92TB SSD SAS ISE 512 2.5"



Olympus Server Management

Customized System Setup and iDRAC



OpenManage

Intelligent Automation

Automate the entire server lifecycle from deployment to retirement with embedded intelligence that dramatically increases your productivity



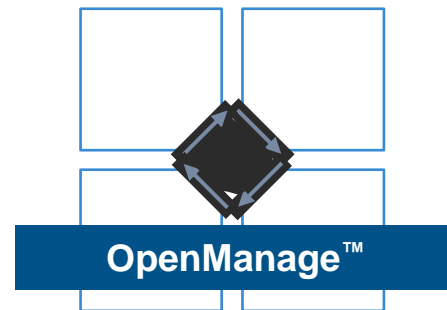
Olympus Server Management

INTELLIGENT AUTOMATION

Technology



Agent-free embedded
server management



Standards-based systems
management solutions

iDRAC with Lifecycle Controller

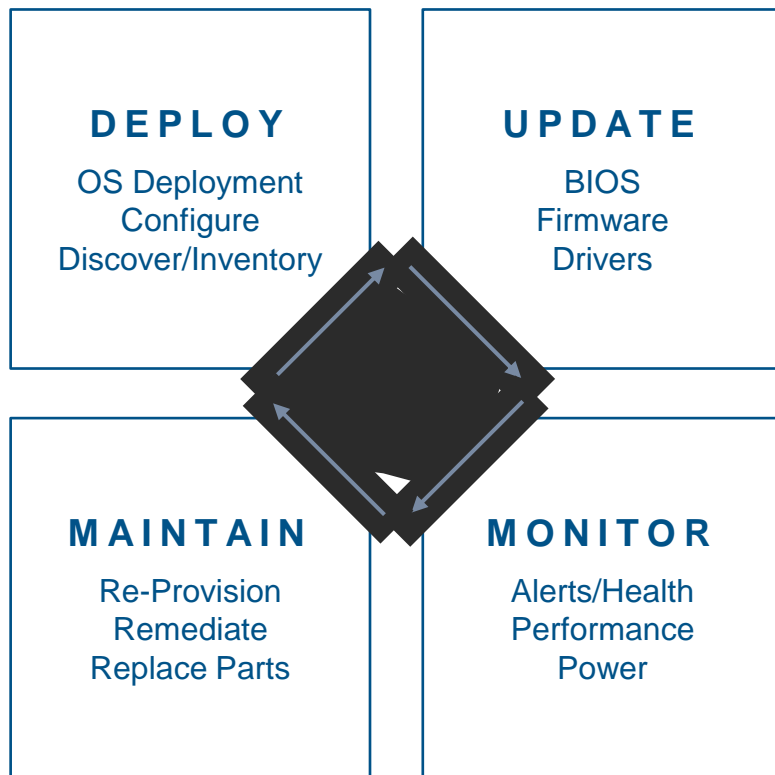
The brains behind the automation features built into Olympus servers



integrated
Dell
Remote
Access
Controller

Agent-free Embedded Server Management
Embedded processor that delivers agent-free control of your Olympus server

OpenManage[®]



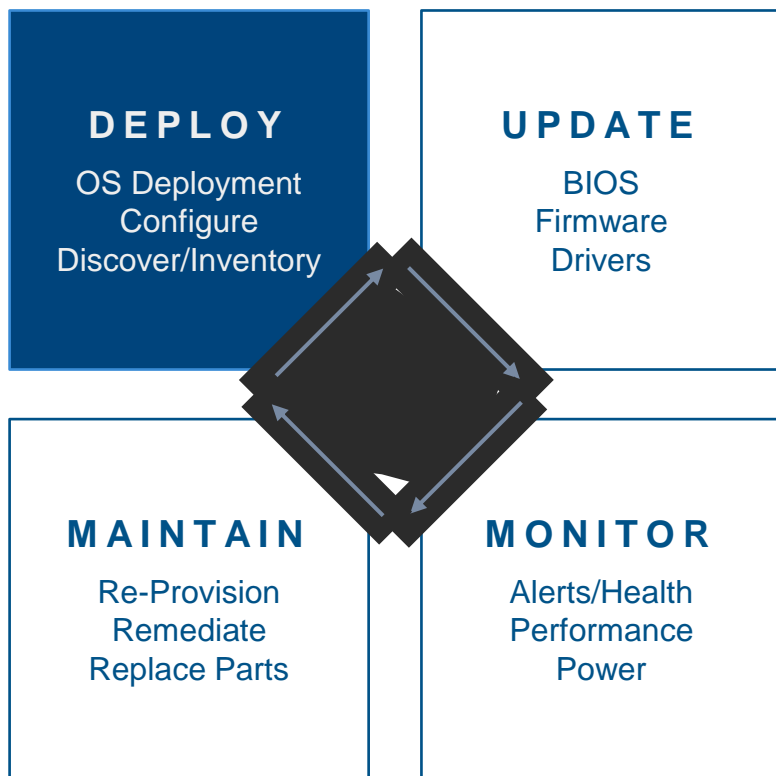
Standards-based Systems Management Solutions

Industry's first truly agent-free server lifecycle management solution leveraging **iDRAC with Lifecycle Controller**

Automates server lifecycle management tasks: **deploy, update, monitor, and maintain**

Integral to the OpenManage portfolio and integration with 3rd party management consoles

OpenManage® - Deployment



Automating server lifecycle management with iDRAC and OpenManage®

Save time by deploying hardware in 96% fewer steps

Policy-driven, automated process

Servers production-ready in about ten minutes

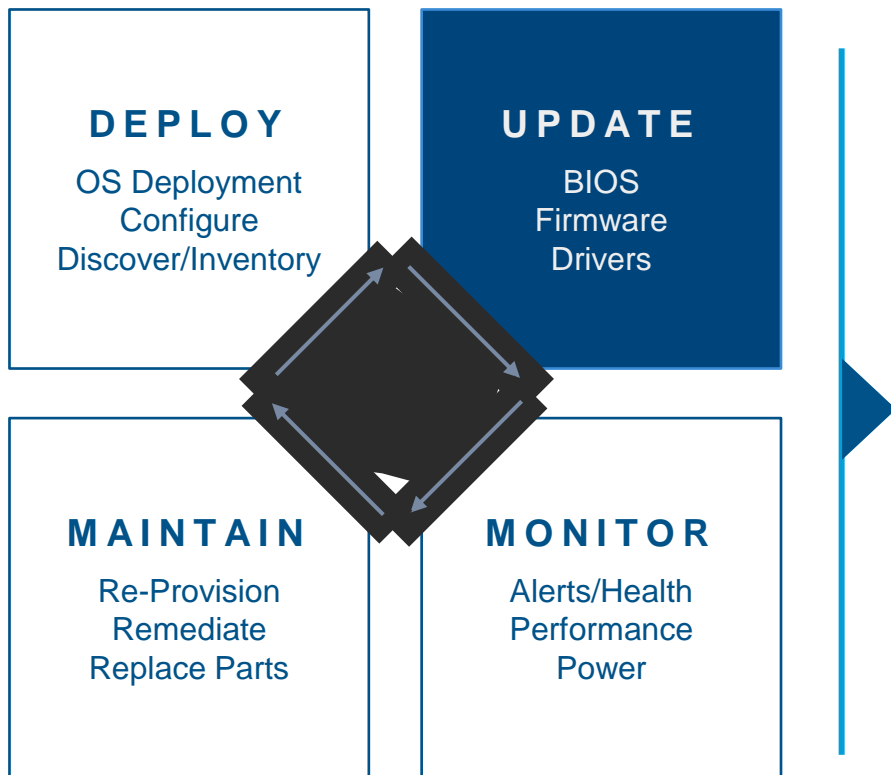
Build and test system profiles before deploying

Rapid 1:many deployment

Improve efficiency by capturing server hardware configurations in just 2 clicks vs 98 manual steps

More accurate and complete server control for IT Admins

OpenManage[®] - Updates



Automating server lifecycle management with iDRAC and OpenManage[®]

Automated updates free staff from time-consuming manual processes

- Scheduled recurrence

- Local or remote file repository

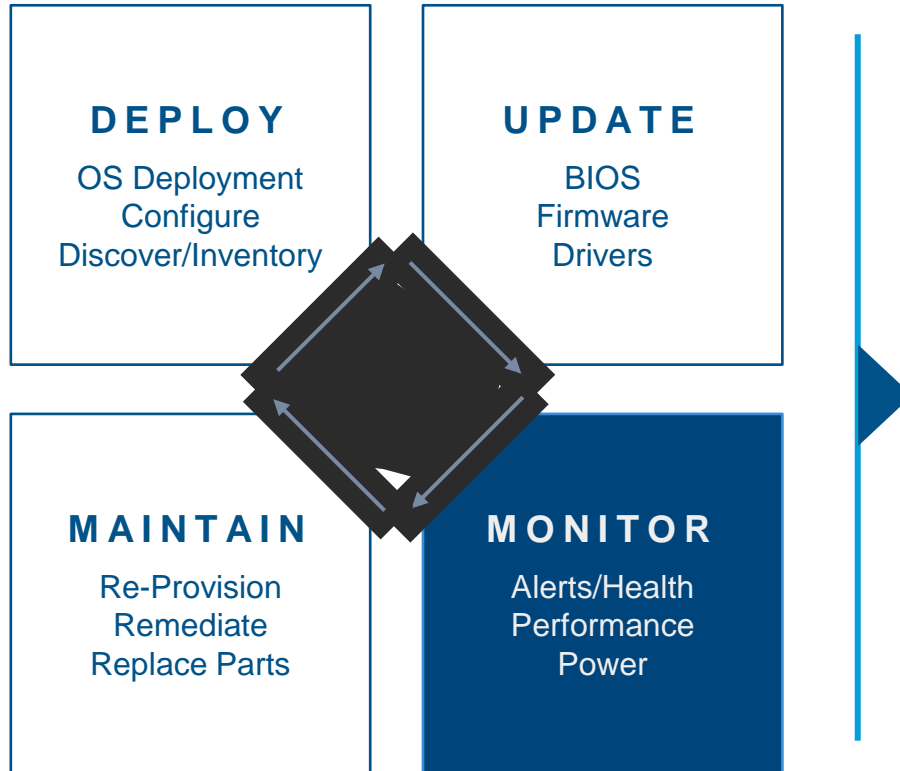
- Choice of immediate or scheduled reboot

Automated firmware rollback capability

- Return to the last known valid configuration if incompatibilities with 3rd party components occur

- Rollback multiple firmware items at once

OpenManage® - Monitoring



Automating server lifecycle management with iDRAC and OpenManage®

Reduce setup time and lower up-front cost by monitoring Olympus servers with embedded, agent-free iDRAC with Lifecycle Controller

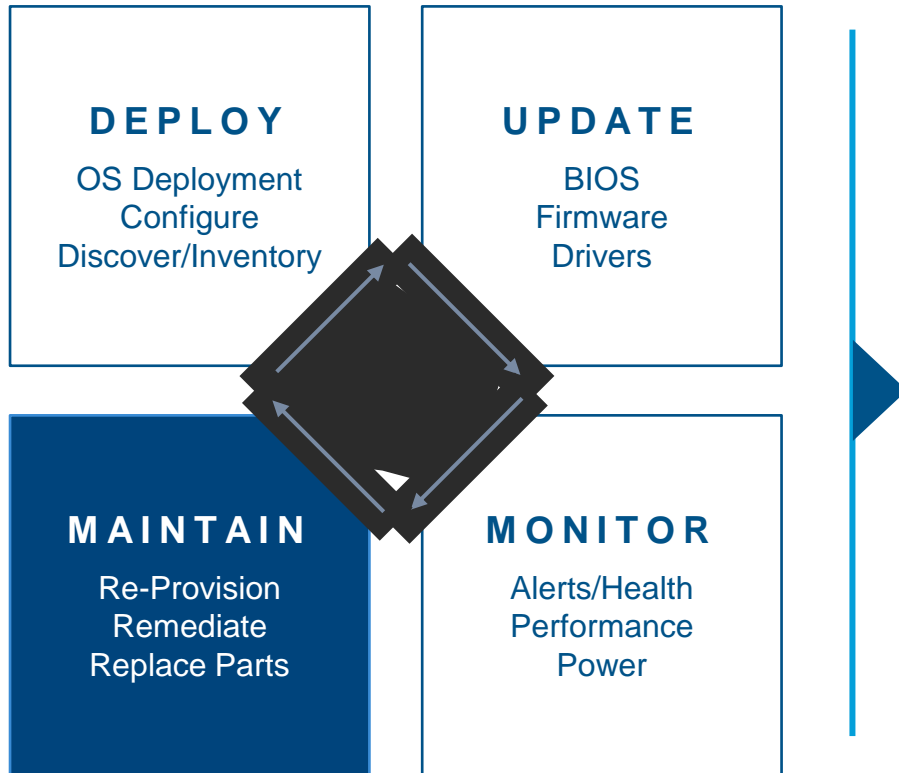
Nothing additional to install or certify

If OS management is required, iDRAC Service Module (iSM) is available to provide basic monitoring

Provides monitoring of internal and direct-attached SSD

Make use of existing skills and third-party systems management solution investments in effectively managing Olympus servers in multi-OS, hypervisor and open source environments

OpenManage® - Maintenance



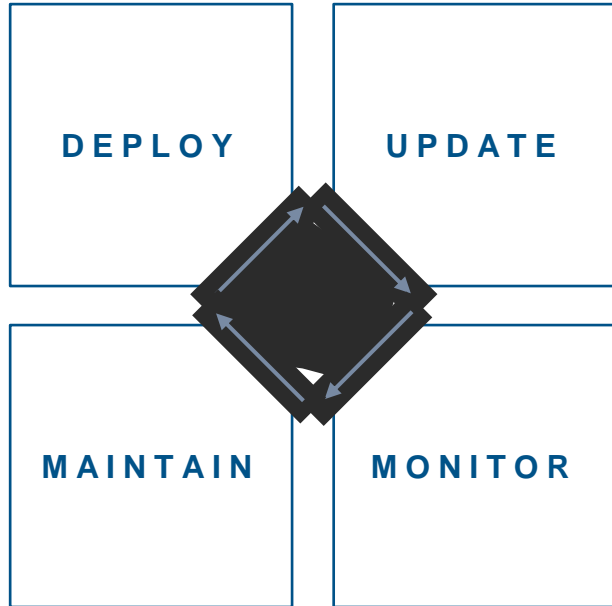
Automating server lifecycle management with iDRAC and OpenManage®

Configure iDRAC with Lifecycle Controller to automatically backup all server hardware settings and firmware images

For faster restoration from motherboard replacement, Automatic System Restore and Service Tag Replacement will automatically read and apply prior settings

Embedded SupportAssist in to automate your service experience for faster problem diagnosis and remediation

The OpenManage[®] Suite



Consoles

OpenManage Essentials
& Enterprise
OpenManage Power Center



Integrations

Microsoft System Center BMC BladeLogic
VMware vCenter Software



Connections

CA, HPE, IBM/Tivoli, Nagios,
and Oracle



**Modular
Management**

Chassis Management
Controller (CMC)



**Tools and
Utilities**

OpenManage Mobile OpenManage Server
Repository Manager Administrator (OMSA)
iDRAC Service Module



**Support
Services**

SupportAssist and ProSupport Plus

OpenManage® Mobile

Hardware monitoring and management from your mobile device

Touch and Roam

Securely and wirelessly configure, monitor and remediate at-the-server with Quick Sync 2

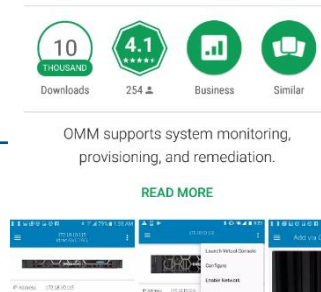


Android & iOS

Available worldwide as a free download on the Apple App Store and Google Play Store

Manage IT Your Way

Use your mobile device to manage locally at the server, through a console, or using scripts



Monitor Everything

Integrates with OpenManage Essentials to receive and forward alerts across the globe

Integrates with OpenManage Essentials/Enterprise & iDRAC

The benefits of intelligent automation

99%

Less time to deploy
servers

55%

Faster configuration
of network settings

213

Hands-on processes
eliminated

10,000

Servers configured
in fifteen minutes

6X

Faster parts
replacement using iDRAC
with Lifecycle Controller

Maintain configuration
profiles with greater
accuracy and

91%

LESS TIME



Integrated Security

Protect your customers and your business
with a deep layer of defense built into the
hardware and firmware of every server

End-to-End security is essential

Ransom: \$30,000

Lost revenue	\$2,500,000
Incident response	\$75,000
Legal advice	\$70,000
Lost productivity	\$250,000
Forensics	\$75,000
Recovery & re-imaging	\$60,000
Data validation	\$25,000
Brand damage	\$500,000
Litigation	\$200,000

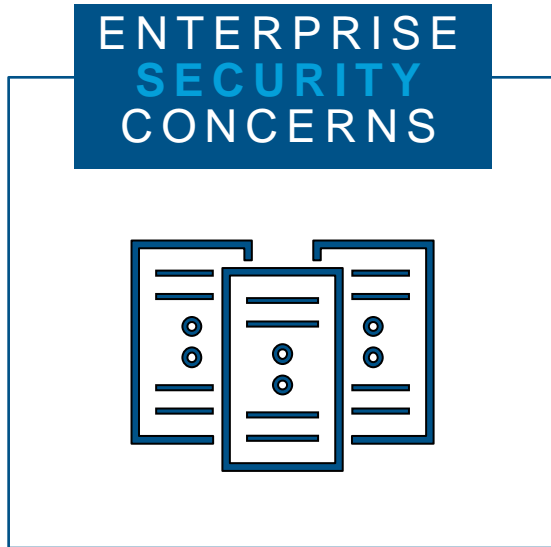
Total cost: \$3,785,000

Most of the focus & \$\$ are spent here

Area most neglected and attractive target



Security needs to be built-in, not bolted on



Security standards / best practices to follow

Protect against physical intrusion

Providing Granular Access Control

Detecting Malicious Attacks 24x7x365

Recover quickly from a data breach

Securely decommission servers

Cyber Resilient Architecture ensures built-in security

PROTECT

- Secure and Granular Access Control
- Cryptographic Authentication
- Data Protection: at rest & in flight



DETECT

- Audit Logging & Secure Alerting
- Intrusion Detection
- Drift and Change Detection

RECOVER

- Bios and OS Recovery
- Easy Restore
- Rapid response to new vulnerabilities

Olympus Integrated Security

BLOCK
Malicious Attacks

1

**Effective
Protection**

Innovative features and processes to protect against malicious attacks

PROTECT WITH A DEEP LAYER OF DEFENSE

Dual Silicon Root of Trust

Immutable trust factors for authentication of BIOS, iDRAC and OS booting

Safer Firmware

Cryptographically signed firmware enforces a secure platform environment

Incredible iDRAC

The *always on* vigilant security sentinel who thwarts malicious attacks

Olympus Integrated Security

SWIFTLY
spot malicious activity

2

**Reliable
Detection**

Continuous monitoring,
verification and reporting of
abnormal activity

ROBUST PROCESSES AND MECHANISMS TO DETECT DEVIANCE

Drift Detection

Continuous detection of
configuration & firmware
changes with rapid
remediation

Physical Intrusion Detection

Detect physical tampering of
servers in transit from
Overland-Tandberg to your
datacenter or remote
locations

Alerts & Logging

Logs every event and
provides alerts including
recommended actions

Olympus Integrated Security

PROTECT your customers
and your business

3

Rapid Recovery

Innovative features and
processes to restore back
to a trusted base

RAPIDLY RESTORE CRITICAL OPERATIONS BACK TO NORMAL

BIOS Recovery

Seamless, automatic
recovery to a protected
trusted BIOS image

Easy Restore to Trusted State

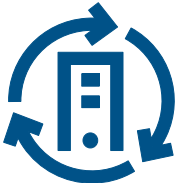
Automatic restoration of
server configuration after
part or motherboard
replacement

Secure System Erase

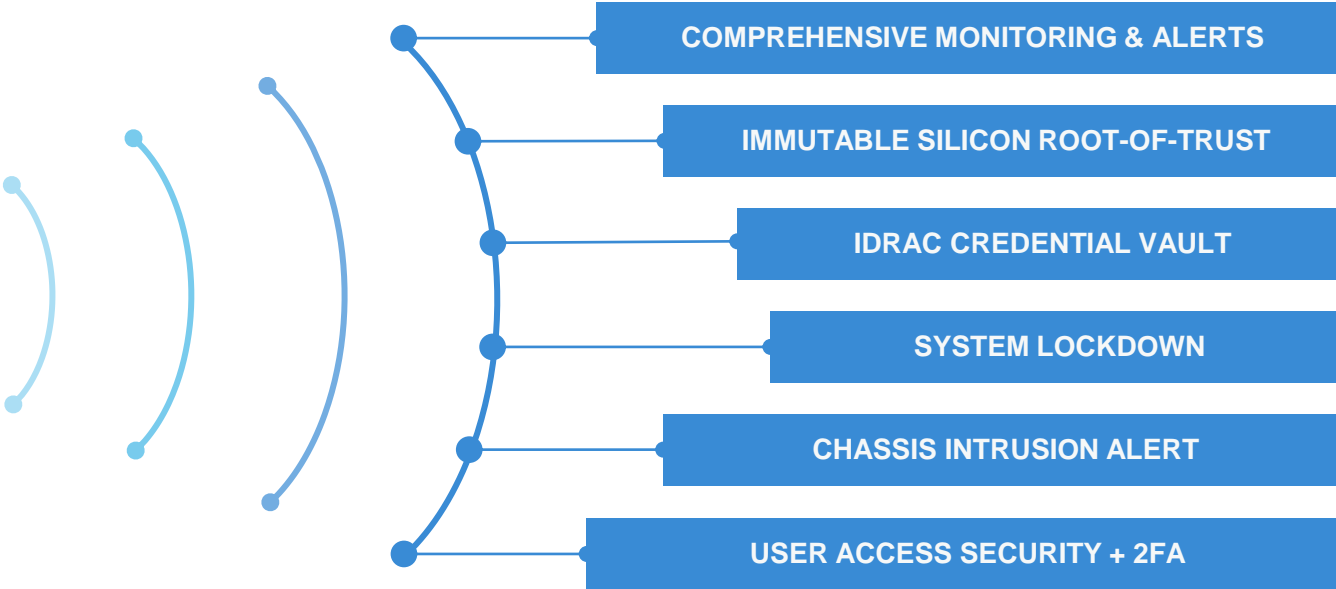
Erase sensitive data
securely and instantly using
NIST-approved crypto
techniques

Security Features Vigilantly Protect



















FIRMWARE AND HARDWARE



The
“Always-on”
iDRAC



Security features of the world's most secure server

TYPE OF THREATS	EXAMPLES	SECURITY FEATURE(S)	OLYMPUS	TIER 1	WBOX
PHYSICAL INTRUSION	Chip De-soldering, Processor Lead probing, USB	iDRAC Credential Vault, Chassis Intrusion Alert			
MALWARE INJECTION	Fake Anti-virus pop-ups, Malicious Email attachment, USB Attack, BIOS rootkit attack	Dual Silicon Root-of-Trust			
TAMPER IN TRANSIT	Product Tampering, Insertion of counterfeit components	Supply Chain Assurance			
MALICIOUS FIRMWARE UPDATE	SuperMicro IPMI Equation Malware	Root-of-Trust + Cryptographically signed and validated firmware			
ROGUE CONFIGURATIONS/ UPDATES/ OPEN PORT ATTACKS	Password Exploit (Remote Hacking)	iDRAC9			
DATA BREACH	Smash & Grab of Server / Storage drives	System Erase Secure Key & User Authentication			

The background is a solid blue color with a complex, abstract pattern of white lines and dots. The lines form a network of interconnected nodes, with some lines curving and flowing across the frame, creating a sense of movement and connectivity. The dots are small and white, serving as nodes in the network.

Further materials

Documents at your service

- [Data Sheet – O-T400](#)
- [Data Sheet – O-T600](#)
- [Data Sheet – O-R700/O-R800](#)
- [Data Sheet – Olympus Family](#)

- [Installation and Service Manual O-T400](#)
- [Installation and Service Manual O-T600](#)
- [Installation and Service Manual O-R700/O-R800](#)

- [User Guide – Olympus Servers iDRAC](#)
- [User Guide – Olympus Servers Lifecycle Controller](#)

Register now!



The screenshot shows the top of the Overland-Tandberg website. The logo is in the top left, and navigation links for 'Home' and 'Benefits & Requirements' are in the top right. A large banner image features four business professionals with the text 'TEAM UP 4 SUCCESS'. Below the banner, there are two main sections: 'NEW PARTNER' and 'USER LOGIN'. The 'NEW PARTNER' section includes a blue circular icon with a white arrow and the text 'TO REGISTER, CLICK HERE'. The 'USER LOGIN' section contains input fields for 'Email' and 'Password', a 'Remember Me' checkbox, a 'Forgot Password?' link, and a blue 'Login' button.

Don't forget to register in our new Partner Portal:

- Easy to use deal registration and deal protection
- Access to the latest pricelists and promotions
- Access to Overland-Tandberg marketing materials and the ability to co-brand
- Events: Free webinars and product trainings for registered resellers, tradeshow

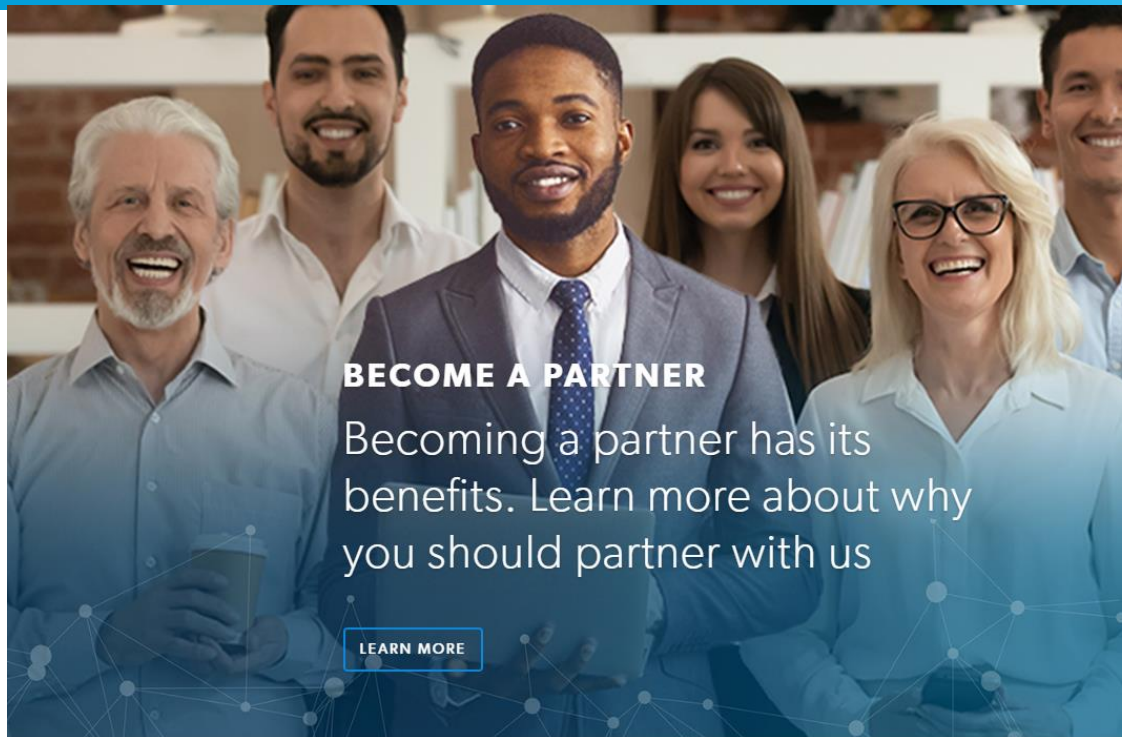
<https://partners.overlandtandberg.com/English/>

Overland-Tandberg Partner Program

Partner Program:

- Three different partner levels
- Bonus for target achievement and growth
- Dedicated technical trainings and support
- Marketing support on demand

[Become A Partner - Overland Tandberg](#)



BECOME A PARTNER
Becoming a partner has its benefits. Learn more about why you should partner with us

[LEARN MORE](#)

Overland-Tandberg for Government

Public Sector

- [Overland-Tandberg - Solutions for Government](#)
- [TAA-compliant Products](#)

Overland-Tandberg Product Portfolio

- [Titan Primary & Secondary Storage](#)
- [Olympus Tower & Rackmount Servers](#)
- [NEO LTO Backup & Tape Archive](#)
- [RDX Removable Disk Drives | SSD & HDD](#)

Other Info

- [Webinar Event Archive](#)
- Contact us: Sales@OverlandTandberg.com



Certified
Diversity Supplier

Thank You

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**OVERLAND
TANDBERG**

Thank You!

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