

Understanding System Center 2016 Proc to Core Licensing

Lindsay Berg, Director Product Marketing

Melanie Maynes, Senior Product Marketing Manager

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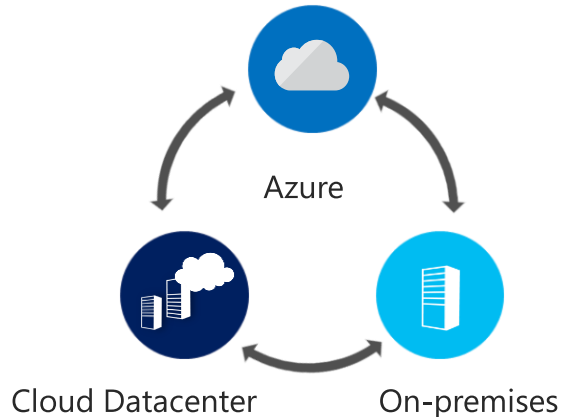
Business model transformation for WSSC

Today...

- Customers run workloads on-premises and in the cloud.
- Licensing model is processor-based when on-premises and core-based in the cloud.
- This dual currency creates complexity for our customers.



A new approach is needed to enable consistency across environments




Align to a common currency of cores

- Offer consistent approach across environments.
- Enable multi-cloud scenarios.
- Improve workload portability for Windows Server through benefits such as Azure Hybrid Use Benefit (AHUB).
- Remove friction from different licensing models.

Processor to core-based licensing

Two processors per server

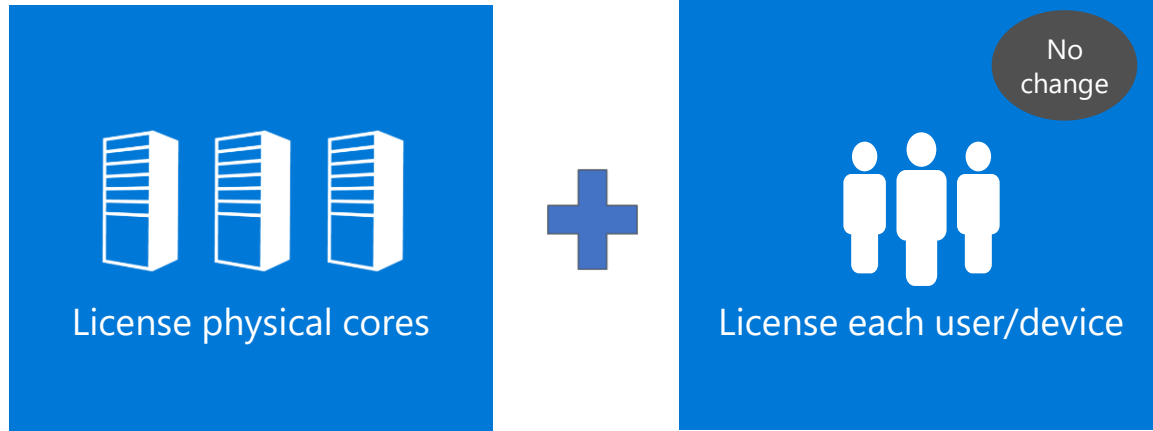
Physical Cores Per Processor	 2 4 8 10 12 14 16
Number of 2-core packs needed with Windows Server 2016	8 8 8 10 12 14 16

- A minimum of 16 core licenses required for each server. Licenses are available in 2-core packs.
- The price for eight 2-core pack licenses of Windows Server 2016 is equivalent to one 2-processor license of Windows Server 2012 R2.
- The price of 16 core licenses of System Center 2016 will be same price as the 2-processor license of the corresponding editions of the System Center 2012 R2 version.

Windows Server 2016 licensing

Transitioning from processor to core

Windows Server Standard and Datacenter editions



Server licensing
(Transitions from
processor to core)

Users or Devices
(No change in CALs)

- Servers are licensed based on the number of processor cores in the physical server.
- To license a physical server, all physical cores must be covered.
- A minimum of 16 core licenses is required for each server.
- A minimum of 8 core licenses is required for each physical processor.
- The price for 16 core licenses of Windows Server 2016 is the same as the 2 processor license of Windows Server 2012 R2.
- Existing customers' servers under SA will be granted additional cores as needed, with documentation.

System Center 2016 editions and features

Microsoft System Center simplifies management of your virtualized, software-defined datacenter.

- A minimum of 8 core licenses is required for each physical processor in the server and a minimum of 16 core licenses is required for servers with one processor.
- Standard Edition provides rights to manage up to 2 OSEs when all physical cores in the server are licensed. Multiple licenses can be assigned to the same cores to manage additional OSEs.
- The price of 16 core licenses of System Center 2016 will be same price as the 2-processor license of the corresponding editions of the System Center 2012 R2 version.

	Datacenter Edition	Standard Edition
OSEs*/Hyper-V containers	Unlimited	2
Windows Server containers	Unlimited	Unlimited
Configuration Manager	•	•
Operations Manager	•	•
Data Protection Manager	•	•
Virtual Machine Manager	•	•
Service Manager	•	•
Orchestrator	•	•
Endpoint Protection Manager	•	•

*OSE refers to a server operation system environment under management by System Center.

Core-based licensing for System Center 2016

How to license System Center 2016 server management licenses by physical cores




- License all the physical cores in the server being managed
- Minimum of 8 core licenses required for each proc
- Minimum of 16 core licenses required for each server

Move to Core-based Licensing

Customers with processor licenses with SA can upgrade to System Center 2016 at no additional cost. At end of the SA term, processor licenses will be exchanged for core licenses and customers can renew their SA on core licenses.

Number of 2-core pack licenses needed

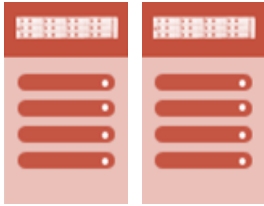
		Physical cores per processor				
		2	4	6	8	10
Procs per server	1	8	8	8	8	8
	2	8	8	8	8	10
	4	16	16	16	16	20

-  Core and proc licensing costs are same
-  Core licensing costs will be 25% more
-  Managing 3+ OSEs with Standard Edition will cost more with core licensing

System Center 2016 – Key Messages



System Center is the first choice for Windows Server management



System Center is a leader in optimizing datacenter efficiency



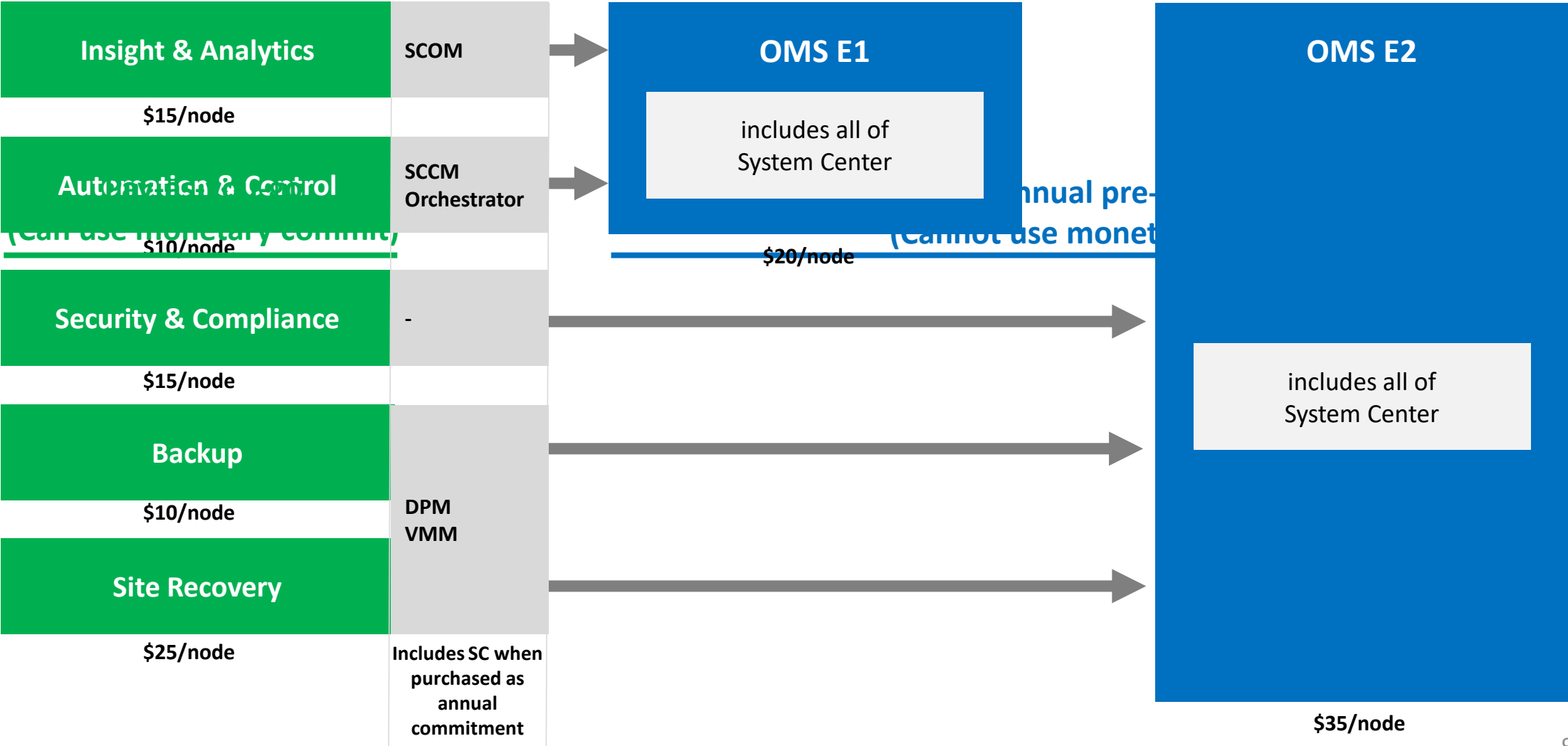
System Center supports hybrid cloud, with Azure integrations (OMS)



System Center is now a part of OMS subscriptions and services

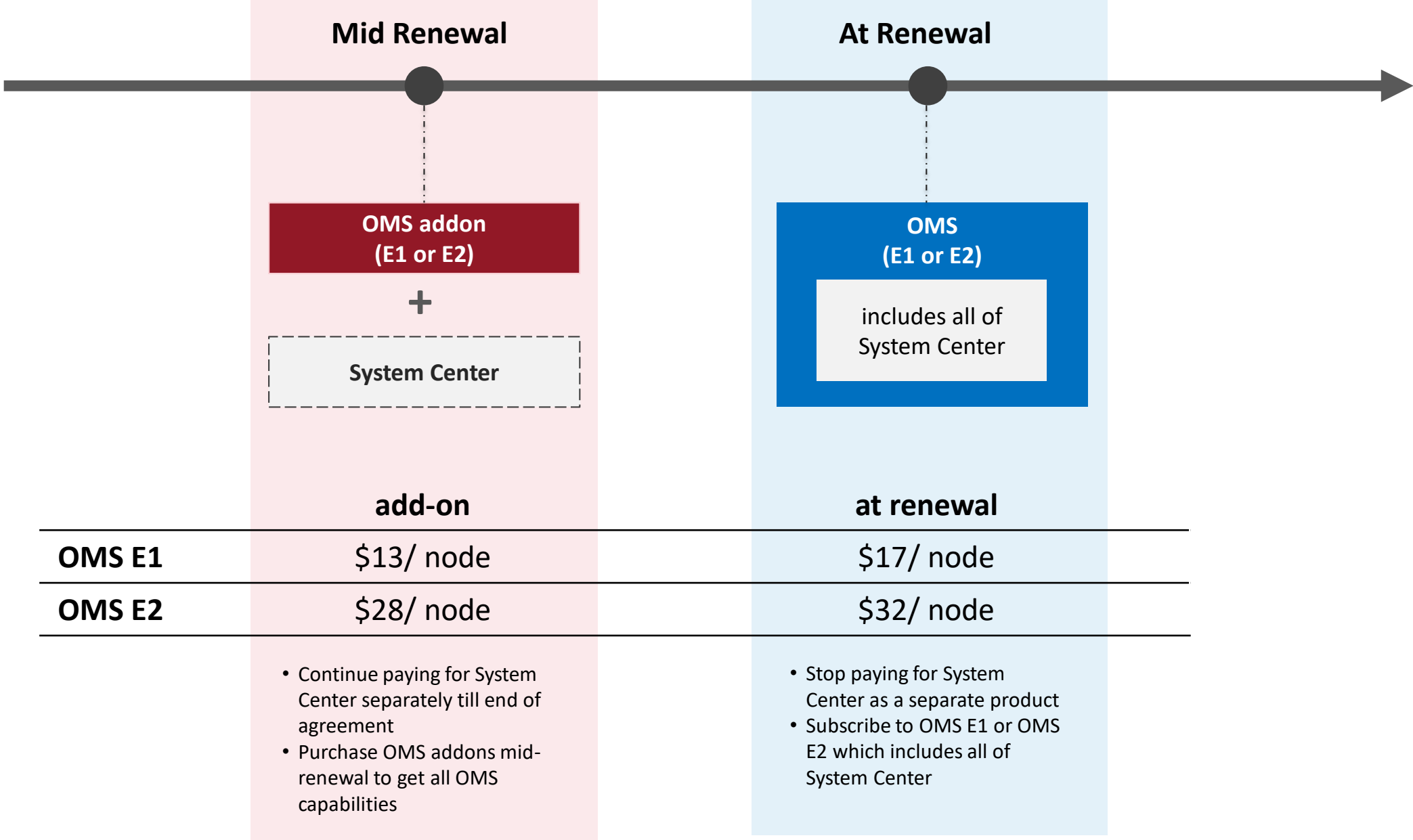
New options for licensing System Center

OMS Licensing overview

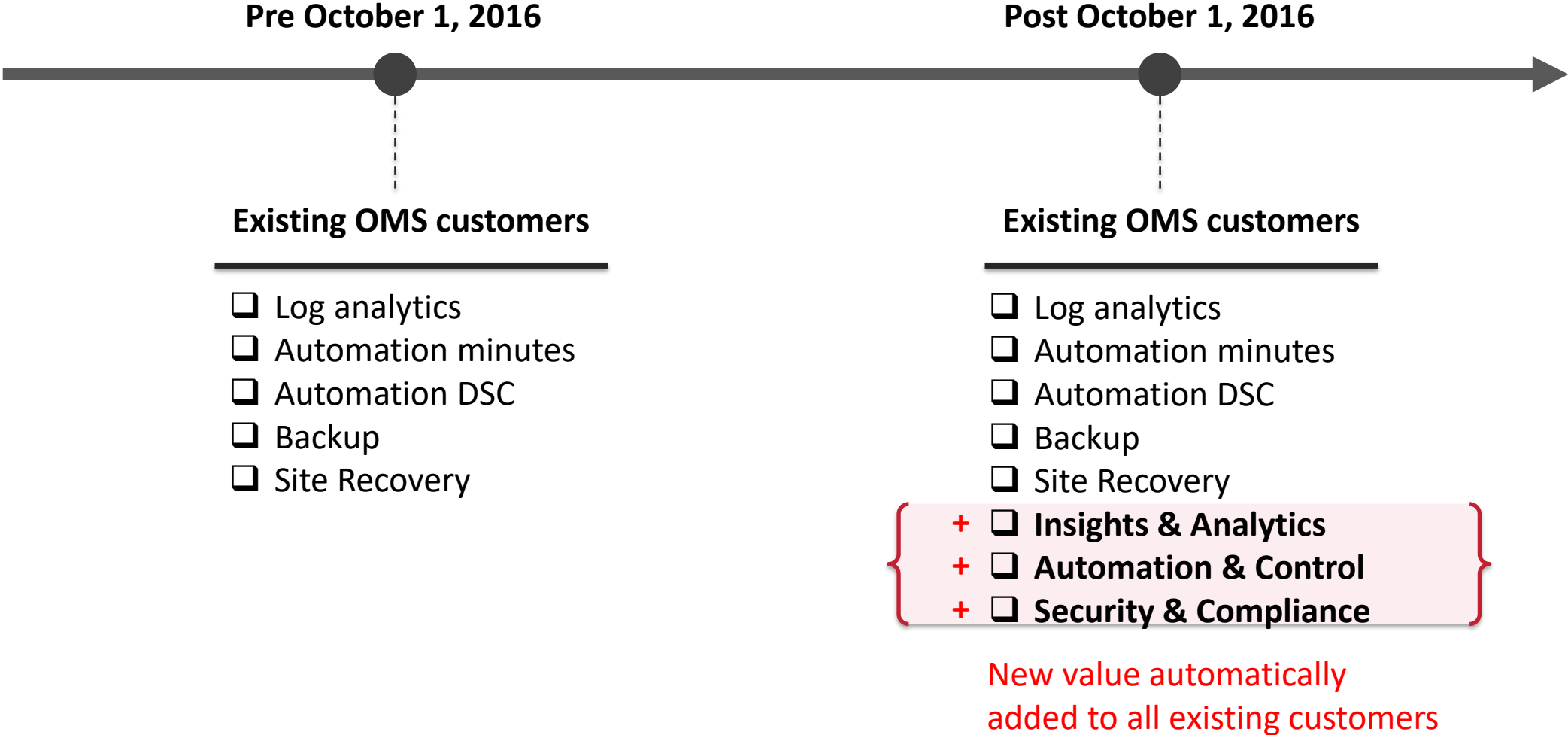


(All prices are monthly prices without any customer discounts)

OMS for existing System Center customers



Existing OMS add-on customers automatically get new value



System Center 2016 and Operations Management Suite

Recap and QA

OMS Licensing Recap

Pay-as-you-go (Can use monetary commit)

Service	Price (per month)
Insight & Analytics <i>(includes Log Analytics)</i>	\$15/ node
Automation & Control	\$10/ node
Security & Compliance <u>or</u> Azure Security Center	\$15/ node
Backup	\$10/ node
Site Recovery – E2E	\$16/ node
Site Recovery – E2A	\$25/ node
Log Analytics	\$2.3 per GB
Automation	\$0.002 per min

Any data charges associated with Backup and Site Recovery are charged separately at regular Azure storage rates

Data ingested for all other services in OMS include 1 month of retention at no additional charge. Retention of data for longer than a month is charged at \$0.10/GB/month

Suites – requires annual pre-commitment (Cannot use monetary commit)

Suite	Price (per month)
Insight & Analytics suite <ul style="list-style-type: none"> Insight & Analytics SCOM 	\$15/ node
Automation & Control suite <ul style="list-style-type: none"> Automation & Control SCCM & Orchestrator 	\$10/ node
Security & Compliance suite <ul style="list-style-type: none"> Azure Security Center <u>or</u> OMS Security & Compliance 	\$15/ node
Protection & Recovery suite <ul style="list-style-type: none"> Backup Site Recovery – E2E & E2A VMM & DPM 	\$30/ node

Suite	Price (per month)
OMS E1 <ul style="list-style-type: none"> Insight & Analytics Automation & Control All of System Center 	\$20/ node
OMS E2 <ul style="list-style-type: none"> Insight & Analytics Automation & Control Security & Compliance Backup Site Recovery – E2E & E2A All of System Center 	\$35/ node

(All prices are monthly prices without any customer discounts)

