

Granted – 2016 core licenses	16	16	16	16	16	16	16	16	16	18	20
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Windows Server Standard	2-processor server										
Scenario – example server	A	B	C	D	E	F	G	H	I	J	K
Physical cores per processor	1	2	4	6	8	10	12	14	16	18	20
Total physical cores	2	4	8	12	16	20	24	28	32	36	40
Assigned – 2012 R2 processor licenses	1	1	1	1	1	1	1	1	1	1	1
Full Core License grant	16	16	16	16	16	16	16	16	16	16	16
Additional Core License grant	0	0	0	0	0	4	8	12	16	20	24
Granted – 2016 core licenses	16	16	16	16	16	20	24	28	32	36	40
Stacked – 2012 R2 processor license	1	1	1	1	1	1	1	1	1	1	1
Granted – 2016 core licenses	16	16	16	16	16	20	24	28	32	36	40

Windows Server Standard	4-processor server										
Scenario – example server	A	B	C	D	E	F	G	H	I	J	K
Physical cores per processor	1	2	4	6	8	10	12	14	16	18	20
Total physical cores	4	8	16	24	32	40	48	56	64	72	80
Assigned – 2012 R2 processor licenses	2	2	2	2	2	2	2	2	2	2	2
Full Core License grant	32	32	32	32	32	32	32	32	32	32	32
Additional Core License grant	32	32	32	32	32	48	64	80	96	112	128
Granted – 2016 core licenses	64	64	64	64	64	80	96	112	128	144	160
Stacked – 2012 R2 processor license	1	1	1	1	1	1	1	1	1	1	1
Granted – 2016 core licenses	32	32	32	32	32	40	48	56	64	72	80

Additional Core License grants – Microsoft Inventory Solutions

To be eligible for Additional Core License grants, customers must establish and maintain a record of the physical hardware and the configuration of the licensed server to which their eligible licenses are assigned. To establish the record, customers may use the Microsoft [Software Inventory Logging \(SIL\)](#) technology or any equivalent software.

Microsoft offers two solutions to assist in the planning of a migration of a customer's servers from Windows Server 2012 R2 processor-based licensing to Windows Server 2016 core-based licensing. The Software Inventory Logging (SIL) tool and the [Microsoft Assessment and Planning \(MAP\) Toolkit](#) both provide inventory, analysis, and reporting tools.

- **SIL:** Recommended for servers running Windows Server 2008 R2 through 2016. Requires software installation for servers running Windows Server 2012 R2, 20012, and 2008 R2. Included with Windows Server 2016 software.
- **MAP:** Recommended for servers running Windows Server 2008 and prior. Requires the [hotfix installation](#) for servers running Windows Server 2008 and prior.

The table below outlines the feature differences between the Microsoft SIL and MAP tools. For migration planning, Microsoft recommends that customers choose the tool based on the server software in use. Once Windows Server 2016 is deployed, Microsoft recommends the SIL tool to streamline the tracking and reporting of software in deployments.