



Product Security Information

Microsoft .NET 6, .NET 8 Security Updates on Windows Server OS

BOSCH-SI-2024-0701BT

Overview

This Product Security Information affects BVMS systems and automatic updates for Microsoft .Net 6 and .Net 8 products on Windows Server OS. Windows Server supports automatic updates for .NET 6 and .Net 8 via Microsoft Update. The automatic update for .NET 6 and .NET 8 via Microsoft Update is disabled by default. Administrators can enable this automatic update manually.

Affected Products

BVMS 12.0
BVMS 12.0.1
BVMS 12.1
BVMS 12.2
Bosch DIVAR IP all-in-one 5000 (DIP-52xx)
Bosch DIVAR IP all-in-one 7000 (DIP-72xx)
Bosch DIVAR IP all-in-one 7000 R3 (DIP-73xx)
Bosch DIVAR IP all-in-one 4000 (DIP-44xx)
Bosch DIVAR IP all-in-one 6000 (DIP-64xx)
Bosch DIVAR IP all-in-one 7000 (DIP-74xx)

Technical Details

1.1 Risk Assessment

BVMS uses different Microsoft .Net versions. We have identified that when servers are used in a managed environment and deployments are handled using a management tool such as Microsoft Intune, Microsoft Endpoint Manager (MEP), System Center Config Manager (SCCM) or Windows Server Update Services (WSUS) then .Net 6 and .Net 8 are automatically updated.

If deployment tools are not used, then .Net 6 and .Net 8 would not be updated automatically for server operating systems, in such environments Bosch recommends getting your server operating system automatically updated via Microsoft Update (MU), otherwise the system could be vulnerable to different attack types, which may affect confidentiality, integrity, and availability.

1.2 References

<https://devblogs.microsoft.com/dotnet/server-operating-systems-auto-updates/>

Solutions and Mitigations

You can opt in for automatic updates via Microsoft Update by setting one of following registry keys on your server corresponding to your BVMS Version.

Registry Keys

.NET Version	Registry Key	Name	Value
.NET all versions	[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\.NET]	"AllowAUOnServerOS"	dword:00000001
.NET 6.0	[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\.NET\6.0]	"AllowAUOnServerOS"	dword:00000001
.NET 8.0	[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\.NET\8.0]	"AllowAUOnServerOS"	dword:00000001

.Net Versions in BVMS

BVMS Version	.Net Version
BVMS 12.0	.Net 6
BVMS 12.0.1	.Net 6
BVMS 12.1	.Net 6
BVMS 12.2	.Net 8

Notice!

For consistent functionality, compatibility, performance, and security, regularly update the software to the latest version throughout the operational life of the device.

Material Lists

BVMS

Family Name	Versions	CTN	SAP#	Material description
BVMS Professional	11.1.1, 12.0, 12.0.1, 12.1	MBV-BPRO	F.01U.393.647	License Professional base
BVMS Plus	11.1.1, 12.0, 12.0.1, 12.1	MBV-BPLU	F.01U.393.650	License Plus base
BVMS Plus DIP	11.1.1, 12.0, 12.0.1, 12.1	MBV-BPLU-DIP	F.01U.374.503	License Plus base for DIVAR IP
BVMS Lite	11.1.1, 12.0, 12.0.1, 12.1	MBV-BLIT	F.01U.393.648	License Lite base
BVMS Lite DIP	11.1.1, 12.0, 12.0.1, 12.1	MBV-BLIT-DIP	F.01U.358.975	License Lite base for DIVAR IP
BVMS Viewer	11.1.1, 12.0, 12.0.1, 12.1	MBV-BVWR	F.01U.393.649	License Viewer base

Bosch DIVAR IP all-in-one 5000 (DIP-52xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 5000	DIP-5240IG-00N	F.01U.361.821	Management Appliance w/o HDD
DIVAR IP all-in-one 5000	DIP-5244IG-4HD	F.01U.362.424	Management Appliance 4x4TB
DIVAR IP all-in-one 5000	DIP-5248IG-4HD	F.01U.362.423	Management Appliance 4x8TB
DIVAR IP all-in-one 5000	DIP-524CIG-4HD	F.01U.362.422	Management Appliance 4x12TB
DIVAR IP all-in-one 5000	DIP-5240GP-00N	F.01U.359.551	Management Appliance GPU wo HD
DIVAR IP all-in-one 5000	DIP-5244GP-4HD	F.01U.359.552	Management Appliance GPU 4x4TB
DIVAR IP all-in-one 5000	DIP-5248GP-4HD	F.01U.359.553	Management Appliance GPU 4x8TB
DIVAR IP all-in-one 5000	DIP-524CGP-4HD	F.01U.359.554	Management Appliance GPU 4x12TB

Bosch DIVAR IP all-in-one 7000 (DIP-72xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 7000	DIP-7280-00N	F.01U.362.591	2U Management Appliance w/o HD
DIVAR IP all-in-one 7000	DIP-7284-8HD	F.01U.362.592	2U Management Appliance 8x4TB
DIVAR IP all-in-one 7000	DIP-7288-8HD	F.01U.362.593	2U Management Appliance 8x8TB
DIVAR IP all-in-one 7000	DIP-728C-8HD	F.01U.362.594	2U Management Appliance 8x12TB
DIVAR IP all-in-one 7000	DIP-72G0-00N	F.01U.362.595	3U Management Appliance wo HDD
DIVAR IP all-in-one 7000	DIP-72G8-16HD	F.01U.362.596	3U Management Appliance 16x8TB
DIVAR IP all-in-one 7000	DIP-72GC-16HD	F.01U.362.597	3U Management Appliance 16x12T

DIVAR IP all-in-one 7000 R3 (DIP-73xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 7000	DIP-7380-00N	F.01U.385.539	Management appliance 2U without HD

DIVAR IP all-in-one 7000	DIP-7384-8HD	F.01U.385.540	Management appliance 2U 8X4TB
DIVAR IP all-in-one 7000	DIP-7388-8HD	F.01U.385.541	Management appliance 2U 8X8 TB
DIVAR IP all-in-one 7000	DIP-738C-8HD	F.01U.385.542	Management appliance 2U 8X12 TB
DIVAR IP all-in-one 7000	DIP-73G0-00N	F.01U.385.543	Management appliance 3U without HD
DIVAR IP all-in-one 7000	DIP-73G8-16HD	F.01U.385.544	Management appliance 3U 16X8TB
DIVAR IP all-in-one 7000	DIP-73GC-16HD	F.01U.385.545	Management appliance 3U 16X12 TB

DIVAR IP all-in-one 7000 (DIP-74xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 7000	DIP-74C0-00N	F.01U.417.248	Management appliance, 2U w/o HDD
DIVAR IP all-in-one 7000	DIP-74C4-8HD	F.01U.417.249	Management appliance, 2U 8X4TB
DIVAR IP all-in-one 7000	DIP-74C8-8HD	F.01U.417.250	Management appliance, 2U 8X8TB
DIVAR IP all-in-one 7000	DIP-74CI-8HD	F.01U.417.251	Management appliance, 2U 8X18TB
DIVAR IP all-in-one 7000	DIP-74CI-12HD	F.01U.417.252	Management appliance, 2U 12X18TB
DIVAR IP all-in-one 7000	DIP-74G0-00N	F.01U.417.253	Management appliance, 3U w/o HDD
DIVAR IP all-in-one 7000	DIP-74GI-16HD	F.01U.417.254	Management appliance, 3U 16X18TB

DIVAR IP all-in-one 4000 (DIP-44xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 4000	DIP-4420IG-00N	F.01U.404.040	Management appliance w/o HDD
DIVAR IP all-in-one 4000	DIP-4424IG-2HD	F.01U.404.041	Management appliance 2x4TB
DIVAR IP all-in-one 4000	DIP-4428IG-2HD	F.01U.404.042	Management appliance 2x8TB
DIVAR IP all-in-one 4000	DIP-442IIG-2HD	F.01U.404.043	Management appliance 2x18TB

DIVAR IP all-in-one 6000 (DIP-64xx)

Family Name	CTN	SAP#	Material description
DIVAR IP all-in-one 6000	DIP-6440IG-00N	F.01U.404.045	Management appliance 1U w/o HDD
DIVAR IP all-in-one 6000	DIP-6444IG-4HD	F.01U.404.046	Management appliance 1U 4x4TB
DIVAR IP all-in-one 6000	DIP-6448IG-4HD	F.01U.404.047	Management appliance 1U 4x8TB
DIVAR IP all-in-one 6000	DIP-644IIG-4HD	F.01U.404.048	Management appliance 1U 4x18TB

Document Change Log

17.07.2024 – Revision 1.00: Initial Release