



This notification is voluntarily reported by BD to Information Sharing and Analysis Organizations (ISAOs).

It applies to BD products in scope in addition to products that are and are not actively supported by BD that run Microsoft Windows Operating Systems. BD engages in proactive communication around cybersecurity issues that have the potential to either directly or indirectly impact our products. Vulnerability disclosure is an essential component of BD's culture of transparency to help ensure that customers have the necessary information to properly assess potential cybersecurity risk, even those caused by third-party software and/or operating systems.

Background

BD is aware of a Microsoft Windows vulnerability in the task scheduler, which could allow malicious attackers to gain elevated system privileges, if compromised. This vulnerability identified a local privilege escalation vulnerability in the Advanced Local Procedure Call (ALPC) interface. It has been observed targeting fully patched Microsoft Windows 10 64-bit and Windows Server 2016 operating systems. This is not a BD-specific vulnerability, and there have been no reports of a BD product being affected by this vulnerability.

Products in Scope

BD has provided a list of BD products in scope that use Microsoft Windows operating systems that are potentially vulnerable to this vulnerability.

BD Product	Operating System	Version
Encor Enspire	Windows XP / Windows Embedded Standard 2009	
BD Accuri™ C6 Gen II	Windows 7 Pro 64 bit	1.0
BD Accuri™ C6 Plus	Windows 10 Pro 64 bit	1.0.23
BD FACS Aria™ Fusion	Windows 7 Pro 32 bit, VxWorks	8.0.2
BD FACS Aria™ II	Windows 7 Pro 32 bit, VxWorks	8.0.2
BD FACS Aria™ III	Windows 7 Pro 32 bit, VxWorks	8.0.2

BD FACSCanto™ 10-color	Windows 7 Pro 32 bit, VxWorks	8.0.2
BD FACSCanto™ 10-color clinical	Windows 7 Pro 32 bit, VxWorks	3.1
BD FACSCanto™ II	Windows 7 Pro 32 bit, VxWorks	8.0.2
BD FACSCanto™ II clinical	Windows 7 Pro 32 bit, VxWorks	3.1
BD FACSCelesta™ - Special Order Research Product	Windows 7 Pro 32 bit RedHat v6.X	8.0.1.1
BD FACSJazz™	Windows 7 Pro 64 bit, Windows XP	1.2
BD FACSLink™	Windows 7 Pro 64 bit	1.0
BD FACSLyric™ Research Use Only	Windows 10 Pro x64	1.2.1
BD FACSLyric™ in vitro diagnostic device	Windows 8 Embedded Windows 10 Pro x64	1.1.1
BD FACSMelody™	Windows 10 Pro VxWorks	1.1
BD FACSSample Prep Assistant™ III	Windows 7 Pro 32 bit	5.0
BD FACSVerse™	Windows 7 x64 SP1 Windows 8 Embedded Standard 9200	1.0.6
BD FACSsymphony™	RedHat v6.X (instrument) Windows 7 Professional 32-bit SP1	8.0.1.1
Influx™	Windows 7 Pro 64 bit, Windows XP	1.2
LSR II	Windows 7 Pro 32 bit, VxWorks	8.0.2
LSRFortessa™	Windows 7 Pro 32 bit, VxWorks	8.0.2
LSRFortessa™ X-20	Windows 7 Pro 32 bit, VxWorks	8.0.2

Rhapsody	Windows 10 Ent. 64 bit (2015 LTSB)	1.1.0
BD Assurity Linc™	Win IoT 10, 64 bit	2.01A
BD Assurity Linc™	Windows ES 7 32 bit	1.00A
BD Assurity Linc™	Windows ES 7 32 bit	1.00B
BD BACTEC™ FX*	Windows ES 7 32bit, VXWorks	5.3
BD BACTEC™ FX40*	Windows ES 7 32 bit	2.51B
BD BACTEC™ FX40	Windows IOT 10 64 bit	2.6
BD BACTEC™ Touch*	Windows XP, Windows ES 7 Ultimate 32 bit	4.95A
BD EpiCenter™	Windows 7 Ultimate 64 bit	7
BD EpiCenter™	Windows IoT 10 64 bit	7.2
BD Kiestra™ Inoqua	Windows 7 Pro 32 bit	
BD Kiestra™ TLA\WCA	Windows 7 Professional 32 bit Windows Server 2012 R2 Standard x66	
BD MAX	Windows ES 7 32 bit	4.7
BD Phoenix™ M50	Windows 7 Embedded	1.1.80.0
BD Totalys™ Data Innovation PC	Windows 7 64 bit Pro SP1	8.13
BD Totalys™ Multiprocessor	Windows 7	1.62C
BD Totalys™ Slide Prep	Windows 7, Windows 10	1.4.0

BD Viper LT™	Windows 7 Embedded	3.6
BD™ Bruker MALDI Biotyper™*	Windows XP, Windows 7 Pro 64 bit	3.2.14
Focal Point -Win	Windows 2012 R2 64 bit Microsoft® Windows 8.1 32	2.4.5
Innova*	Win XP	3.55A
Synapsys	Windows 2012 R2, Windows 2016	2
BD Message Hub	Windows Server 2012/2016	1
BD Alaris Plus™ Alaris Connectivity Engine	Windows Server 2012 R2	None
BD Alaris™ Systems Manager BD Alaris™ Enterprise Server	Windows 2008	4.33
BD Alaris™ Systems Maintenance	Windows 2008	4.x
BD Alaris™ Infusion Viewer Suite	Windows 2008	None
Rowa™ vMax	Windows 7	None
Rowa™ Dose	Windows 7	None
Rowa™ vCloud	Windows 7	None
BD Pyxis™ Server ES	Server 2012 R2, Server 2016	1.7
BD Pyxis™ MedStation™ ES	Windows 10 IOT	1.7
BD Pyxis™ Anesthesia Station ES	Windows 10 IOT	1.7
BD Pyxis™ Server ES	Server 2012 R2, Server 2016	1.6
BD Pyxis™ MedStation™ ES	Windows 10 IOT	1.6

BD Pyxis™ Anesthesia Station ES	Windows 10 IOT	1.6
BD Pyxis™ Server ES	Windows 2012R2	1.5.2.x
BD Pyxis™ MedStation™ ES	Windows Embedded Standard 7	1.5.2.x
BD Pyxis™ Anesthesia Station ES	Windows Embedded Standard 7	1.5.2.x
BD Pyxis™ Server ES	Windows 2012R2	1.5.0
BD Pyxis™ MedStation™ ES	Windows Embedded Standard 7	1.5.0
BD Pyxis™ Anesthesia Station ES	Windows Embedded Standard 7	1.5.0
BD Pyxis™ Server ES	Windows Server 2008	1.4.x
BD Pyxis™ MedStation™ ES	Windows Embedded Standard 7	1.4.x
BD Pyxis™ Anesthesia Station ES	Windows Embedded Standard 7	1.4.x
BD Pyxis™ Server ES	Windows Server 2008	1.3.x
BD Pyxis™ MedStation™ ES	Windows Embedded Standard 7	1.3.x
BD Pyxis™ Anesthesia Station ES	Windows Embedded Standard 7	1.3.x
BD Pyxis™ MedStation™ 4000	Windows Server 2012R2/Win10 IoT	TBD
BD Pyxis™ Anesthesia Station 4000	Win10 IoT	TBD
BD Pyxis™ MedStation™ 4000	Windows Server 2008R2/Win7E	7.4.12
BD Pyxis™ Anesthesia Station 4000	Windows Embedded Standard 7	6.0.6.6
BD Pyxis™ MedStation™ 3500 System	Windows Server 2008/2003/Win7E/ XPE	6.0.6.9

BD Pyxis™ Anesthesia Station 3500	Windows Embedded Standard 7	6.1.7.5
BD Pyxis™ CUBIE Replenishment System	Windows Embedded Standard 7	3.x
Pyxis™ MedStation™ ES Integrated Main system	Windows Embedded Standard 7	None
BD Pyxis™ Global Controlled Substance Management	Win10 IoT	TBD
BD Pyxis™ CII Safe	Win10 IoT/ Windows Embedded Standard 7	8.x/7.1+
BD Pyxis™ IV Prep	Windows Server 2012	2.44
BD Pyxis™ Logistics	Win7E/Win10 IoT/Android	1.2.x/1.1.B
BD Pyxis™ PharmoPack™	Windows Embedded Standard 7	TBD
BD Pyxis™ Order Viewer	Windows Server 2012R2/Win7E/2003/XPE	3.1/2.x
BD Pyxis ProcedureStation™ system	Windows Server 2012R2/Win7E/2008/ Win7E/ Windows XP	10, 9.3+, 9.x, 8.x, 4
BD Pyxis™ KanBan RF	Windows Server 2012R2/2008	10.2
BD Pyxis™ SupplyStation	Windows Server 2012R2/2008	10.1
BD Pyxis™ SupplyStation™	Windows Server 2012R2/Win7E/2008/ Win7E/2003/ Windows XP	10, 9.3, 9.x, 8.x
BD Pyxis™ CathRack System	Windows Embedded Standard 7	9.3+
BD Pyxis™ ScrubStation System	Windows 2003 Std	7.1

*Patch testing and validation tasks are still under review.