# Product Security Bulletin

IMPORTANT INFORMATION – PLEASE READ AND KEEP

## BlueKeep and DejaBlue Security Vulnerabilities

**Date: 2020-04-16 (last update)**

## Background

Multiple security vulnerabilities in the Remote Desktop Protocol (RDP) known as **BlueKeep** (CVE-2019-0708) and **DejaBlue** (CVE-2019-1181 & CVE-2019-1182) have received significant news coverage for their potential impact.

### What BlueKeep and Dejablue Do

A remote code execution vulnerability exists in Remote Desktop Services – formerly known as Terminal Services – when an unauthenticated attacker connects to the target system using RDP and sends specially crafted requests. This vulnerability is pre-authentication and requires no user interaction. An attacker who successfully exploited this vulnerability could execute arbitrary code on the target system. An attacker could then install programs; view, change, or delete data; or create new accounts with full user rights.

### What Operating Systems Are Affected

| | |
|---|---|
| **BlueKeep** | Windows XP, Windows 7 SP1, Windows Server 2003, Windows Server 2008 and Windows Server 2008 R2 |
| **DejaBlue** | Windows 7, Windows 8.1, Windows 10 and Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019 and 1903. |

Details regarding the vulnerability and the Microsoft's impacted products and responses may be found here for BlueKeep and here for DejaBlue.

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## Response

### How Microsoft Is Responding

Microsoft has communicated BlueKeep to its customers on May 14th 2019 and DejaBlue on August 13th 2019. Microsoft strongly recommends that all affected systems are patched as soon as possible. Patches for CVE-2019-0708, CVE-2019-1181 and CVE-2019-1182 have been made available to download.

### Affected Products

Vyaire's medical devices affected include all Windows-based Respiratory products which use an affected operating system.

Vyaire has tested all affected products for compatibility with the patches and has found **no** issues. Vyaire recommends to install the patches as soon as possible.

### Mitigations & Compensating Controls

Ensure that the patches made available by Microsoft have been applied to the operating system of your computers:

- BlueKeep: CVE-2019-0708
- DejaBlue: CVE-2019-1181 and CVE-2019-1182

### Generic controls

- Ensure your data has been backed up and stored according to your individual process and that your disaster recovery procedures are in place.
- Update your anti-virus and malware protection, where available.

For product or site-specific concerns, contact your Vyaire service representative.

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For more information on Vyaire's proactive approach to product security and vulnerability management, contact us at productsecurity@vyaire.com or visit www.vyaire.com/product-security.

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