

# Dell EMC PowerEdge Cyber Resilient Architecture 2.0

As cyber threats and attacks become more nefarious and widespread, businesses must change the way they approach security to be more comprehensive. **Dell EMC PowerEdge servers take cyber resilience to the next level**, serving as the bedrock for organizations to secure invaluable data and their critical infrastructure.

## What is the Dell Cyber Resilient Architecture 2.0?

Safeguarding your data and intellectual property requires a more robust, layered approach. Cyber Resilient Architecture 2.0 builds on Dell's security legacy with enhanced capabilities that effectively protect your infrastructure, reliably detect threats and rapidly recover from cyberattacks.



## Why choose Dell Technologies?

- “It is **NCC Group’s** opinion that **Dell has a mature product security program**. They have a long history of engaging with external security partners like NCC Group to perform security reviews of their systems and new features as they are developed. **Their SDL continues to consider security throughout the product development process**, where security can be built into the product from the earliest stages.”\*
- “**The SCV framework leverages well-established cryptographic constructions throughout the implementation**. iDRAC provides a separate security domain, which helps put large portions of the security guarantees provided by SCV out of harm’s way from potential exploits that affect the x86 host portion of the system.”\*
- Dell Technologies use of “Intel BootGuard and AMD Platform Secure Boot are host processor features that provide **strong firmware integrity guarantees**, preventing firmware other than that authorized by the OEM from executing on the system. By enabling these as additional defense-in-depth measures, certain classes of physical attacks are mitigated, such as flash memory replacement or reprogramming, and Time-of-Check-Time-of-Use (TOCTOU) race conditions. All combined, the Root of Trust features in the system make compromise of the TCB difficult.”\*

\*Based on a NCC Group paper commissioned by Dell Technologies, [Secured Component Verification](#), April 30, 2021. Actual results may vary.

Visit the following resources to learn more.



Technical White Paper  
**Cyber Resilient Security in Dell EMC PowerEdge Servers**



Supply Chain Security Video  
**Secured Component Verification**



Technical White Paper  
**iDRAC9 Security Configuration Guide**