

CHECKLIST

5 Key IoT Capabilities to Look for in a Networking Solution

Organizations are increasingly relying on Internet-of-Things (IoT) devices to achieve business goals. Unfortunately, these devices are inherently insecure and often targeted by cybercriminals to gain entry into the network and launch attacks. As IoT devices become more important and pervasive, they must be secured.

To get the most benefit from IoT devices while minimizing their risks, you need to ensure your networking equipment has the following capabilities:



 $\mathbf{\nabla}$

Visibility and Device Details

You need to know more than the number and type of devices on your network. Look for solutions that can provide complete information about the manufacturer, the firmware, and known vulnerabilities for each device. This is critical to maintaining a well-functioning network.

Easy IoT Onboarding

Joining the network may be easy for users but is often challenging for headless IoT devices. Without a user behind a device making network choices or logging in, it can be difficult for the network to place these devices in the correct security posture. Often, this is solved by network access control software that can recognize devices as they attach and configure network security settings accordingly.

Protection

Protecting IoT devices can be problematic. IoT devices are often embedded in the network in a way that makes immediate software updates to get the latest security patches problematic. But, leaving a known vulnerability in the network is very risky. Technologies such as virtual patching can implement compensating controls over the top of devices with known vulnerabilities.

Quarantine

Ideally, the onboarding and protection methods mentioned above will be able to keep a device from being compromised, but it's not always enough. Your solution should be able to quarantine a device into a walled garden if it becomes infected.

Automation

With so many IoT devices in today's networks, it's crucial to automate onboarding, protection, and quarantine capabilities to reduce overhead for the IT group.

IoT devices will only continue to grow their footprint in modern networks. To mitigate the risk, any network solution must include full visibility, onboarding, protection, quarantine, and automation capabilities. IT groups can avoid being overwhelmed by IoT by deploying secure networking equipment capable of these features. Learn more about the Fortinet LAN Edge solution.



www.fortinet.com

Copyright © 2024 Fortinet, Inc. All rights reserved. Fortileate*, FortiCare* and FortiGuard*, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network enterine were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network enterine were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network valiables, different network enterine were attained except to the extent Fortinet enters a binding written contract, signed by Fortinets SVP Legal and above, with a purchaser that expressly warrants that the identified performance in testines internal testine testics and, in such event, only the specific performance metrics expressly identified in such binding on Fortinet. For absolute carity, any such warrant will be limited to performance in the same ideal conditions as in Fortinets. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.