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MICROSOFT INTUNE (DESKTOP & MOBILE) SECURITY TECHNICAL IMPLEMENTATION GUIDE (STIG) OVERVIEW

01 July 2026

Developed by Microsoft and DISA for the DOD

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1. INTRODUCTION

1.1 Executive Summary

Microsoft Intune is a 100 percent Software as a Service (SaaS) cloud-based service. Intune is considered an endpoint management service and provides both mobile device management (MDM) and mobile application management (MAM) services.

Note: The scope of this version of the Intune STIG is for both desktop (Windows and macOS) and mobile (Apple iOS, iPadOS, and Android) endpoint devices.

Some key Intune tasks include:

- Ensuring devices and apps are compliant with an organization's security requirements.
- Creating policies that help keep DOD organization data safe on DOD organization-owned and personal devices.
- Using a single, unified mobile solution to enforce these policies and help manage devices, apps, users, and groups.
- Protecting DOD organization information by helping to control the way the workforce accesses and shares its data.

Intune is part of Microsoft's Enterprise Mobility + Security (EMS) suite. Intune integrates with Entra ID to control who has access and what they can access.

This STIG assumes a properly configured and licensed Intune tenant has been created, with the identities for this tenant residing in the cloud via Active Directory Federation Services (ADFS), AD Connect, a mailbox in O365, or separately created cloud accounts.

Intune also integrates with Azure Information Protection for data protection. It can be used with the Microsoft 365 suite of products. For example, Microsoft Teams, OneNote, and other Microsoft 365 apps can be deployed to devices. This feature enables those in an organization to be productive on all their devices, while keeping an organization's information protected with policies created.

The following are additional assumptions and prerequisites:

- Intune must be installed in a Federal Risk and Authorization Management Program (FedRAMP) and DOD Impact Level 4/5 certified cloud service.
- Entra ID is available and has been configured to provide Intune system administrator account management services. It has also been configured in accordance with (IAW) the Microsoft Entra ID STIG.
- A third-party log management solution is available to provide Intune log management and information system security officer/information system security manager alerting services.
- Azure/SQL is available to support Intune and has been configured IAW the Microsoft Azure SQL Database STIG.
- The browser used to access the Intune console is STIG-compliant.

1.2 Authority

Department of Defense Instruction (DODI) 8500.01 requires that “all IT [information technology] that receives, processes, stores, displays, or transmits DOD information will be [...] configured [...] consistent with applicable DOD cybersecurity policies, standards, and architectures.” The instruction tasks that DISA “develops and maintains control correlation identifiers (CCIs), security requirements guides (SRGs), security technical implementation guides (STIGs), and mobile code risk categories and usage guides that implement and are consistent with DOD cybersecurity policies, standards, architectures, security controls, and validation procedures, with the support of the NSA/CSS [National Security Agency/Central Security Service], using input from stakeholders, and using automation whenever possible.” This document is provided under the authority of DODI 8500.01.

Although the use of the principles and guidelines in these SRGs/STIGs provides an environment that contributes to the security requirements of DOD systems, applicable NIST SP 800-53 cybersecurity controls must be applied to all systems and architectures based on the Committee on National Security Systems (CNSS) Instruction (CNSSI) 1253.

1.3 Vulnerability Severity Category Code Definitions

Severity Category Codes (referred to as CAT) are a measure of vulnerabilities used to assess a facility or system security posture. Each security policy specified in this document is assigned a Severity Category Code of CAT I, II, or III.

Table 1-1: Vulnerability Severity Category Code Definitions

Category	DISA Category Code Guidelines
CAT I	Any vulnerability, the exploitation of which will directly and immediately result in loss of Confidentiality, Availability, or Integrity.
CAT II	Any vulnerability, the exploitation of which has a potential to result in loss of Confidentiality, Availability, or Integrity.
CAT III	Any vulnerability, the existence of which degrades measures to protect against loss of Confidentiality, Availability, or Integrity.

1.4 STIG Distribution

Parties within the DOD and federal government’s computing environments can obtain the applicable STIG from the DOD Cyber Exchange website at <https://cyber.mil/>. This site contains the latest copies of STIGs, SRGs, and other related security information. Those without a common access card (CAC) that has DOD Certificates can obtain the STIG from <https://public.cyber.mil/>.

1.5 SRG Compliance Reporting

All technical NIST SP 800-53 requirements were considered while developing this STIG. Requirements that are applicable and configurable will be included in the final STIG. A report marked Controlled Unclassified Information (CUI) will be available for items that did not meet

requirements. This report will be available to component authorizing official (AO) personnel for risk assessment purposes by request via email to: disa.stig_spt@mail.mil.

1.6 Document Revisions

Comments or proposed revisions to this document should be sent via email to the following address: disa.stig_spt@mail.mil. DISA will coordinate all change requests with the relevant DOD organizations before inclusion in this document. Approved changes will be made in accordance with the DISA maintenance release schedule.

1.7 Other Considerations

DISA accepts no liability for the consequences of applying specific configuration settings made on the basis of the SRGs/STIGs. It must be noted that the configuration settings specified should be evaluated in a local, representative test environment before implementation in a production environment, especially within large user populations. The extensive variety of environments makes it impossible to test these configuration settings for all potential software configurations.

For some production environments, failure to test before implementation may lead to a loss of required functionality. Evaluating the risks and benefits to a system's particular circumstances and requirements is the system owner's responsibility. The evaluated risks resulting from not applying specified configuration settings must be approved by the responsible AO. Furthermore, DISA implies no warranty that the application of all specified configurations will make a system 100 percent secure.

Security guidance is provided for the DOD. While other agencies and organizations are free to use it, care must be given to ensure that all applicable security guidance is applied at both the device hardening level and the architectural level due to the fact that some settings may not be configurable in environments outside the DOD architecture.

1.8 Product Approval Disclaimer

STIGs provide configurable operational security guidance for products being used by the DOD. STIGs, along with vendor confidential documentation, also provide a basis for assessing compliance with cybersecurity controls/control enhancements, which supports system assessment and authorization (A&A) under the DOD Risk Management Framework (RMF). Department of Defense AOs may request available vendor confidential documentation for a product that has a STIG for product evaluation and RMF purposes from disa.stig_spt@mail.mil. This documentation is not published for general access to protect the vendor's proprietary information.

AOs have the purview to determine product use/approval in accordance with (IAW) DOD policy and through RMF risk acceptance. Inputs into acquisition or preacquisition product selection include such processes as:

- National Information Assurance Partnership (NIAP) evaluation for National Security Systems (NSS) (<https://www.niap-ccevs.org/>) IAW CNSSP #11.

- National Institute of Standards and Technology (NIST) Cryptographic Module Validation Program (CMVP) (<https://csrc.nist.gov/groups/STM/cmvp/>) IAW federal/DOD mandated standards.