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GOOGLE ANDROID 12 SECURITY TECHNICAL IMPLEMENTATION GUIDE (STIG) CONFIGURATION TABLES

Version 1, Release 1

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Developed by Google and DISA for the DoD

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LIST OF TABLES

| | Page |
|--|-------------|
| Table 1-1: Configuration Policy Rules for COPE | 1 |
| Table 1-2: Configuration Policy Rules for COBO | 6 |

Note: The logic of some of the configuration settings in the following tables may differ from one EMM product to another. For example, the policy rule “Disable Manual Date Time Changes” may appear as “Allow Manual Date Time Changes” in some EMM consoles. In this case, the setting should be configured to “False” instead of “True”.

Table 1-1: Configuration Policy Rules for COPE

| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|-----------------------|-----------------------------------|---|---|--------------------------------|---|
| Password Requirements | Minimum password length | 0+ | 6 | GOOG-12-006000 | Minimum device password length Configuration API: setPasswordMinimumLength |
| Password Requirements | Minimum password quality | Unspecified, Something, Numeric, Numeric (Complex), Alphabetic, Alphanumeric, Complex | Numeric (Complex), Alphabetic, Alphanumeric, or Complex | GOOG-12-006100 | Numeric (Complex) recommended Configuration API: setPasswordQuality |
| Password Requirements | Device lock timeout | 0+ | 15 | GOOG-12-006200, GOOG-12-006300 | Configuration API: setMaximumTimeToLock |
| Password Requirements | Maximum number of failed attempts | 0+ | 10 | GOOG-12-006400 | Configuration API: setMaximumFailedPasswordsForWipe() |
| Restrictions | Non-Market App Installation | Select/unselect | Select | GOOG-12-006500 | Configuration API: DISALLOW_INSTALL_UNKNOWN_SOURCES |
| Restrictions | List of approved apps listed in | List of approved apps | List only approved workspace | GOOG-12-006600, | Managed Google Play is always an allow-listed App Store. |

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| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|---------------------|-----------------------------------|-----------------|-----------------------------|------------------------------------|---|
| | managed Google Play | | apps in managed Google Play | GOOG-12-006700 | |
| Restrictions | Bluetooth | Select/unselect | Select/unselect | GOOG-12-009400 | Setting of control depends on AO decision. Configuration API: DISALLOW_CONFIG_BLUETOOTH |
| Restrictions | Unredacted Notifications | Select/unselect | Select | GOOG-12-006800 | Configuration API: KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS |
| Restrictions | Disable trust agents | Select/unselect | Select | GOOG-12-007200 | Configuration API: KEYGUARD_DISABLE_TRUST_AGENTS |
| Restrictions | Debugging features | Select/unselect | Select | GOOG-12-007400 | Configuration API: DISALLOW_DEBUGGING_FEATURES |
| Restrictions | Lock Screen Message | Enable/Disable | Enable, Disable | GOOG-12-007700 | If the DoD warning banner is not placed in the User Agreement, configure on the Google device via the MDM console and enter required text. Configuration API: setDeviceOwnerLockScreenInfo |
| Restrictions | Disallow USB file transfer | Select/unselect | Select | GOOG-12-008400, GOOG-12-008500 | Configuration API: DISALLOW_MOUNT_PHYSICAL_MEDIA DISALLOW_USB_FILE_TRANSFER |
| Restrictions | Disallow backup servicer | Select/unselect | Select | Optional setting GOOG-12-008600 | Since personal accounts cannot be added (GOOG-12-010100), this control only impacts personal profile accounts. Site can allow backup based on local policy. Configuration API: setBackupServiceEnabled |
| Restrictions | Disallow cross profile copy/paste | Select/unselect | Select | GOOG-12-008900 | Configuration API: DISALLOW_CROSS_PROFILE_COPY_PASTE |

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| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|---------------------|--|--|-----------------|-----------------------------------|--|
| Restrictions | Disallow sharing data into the profile | Select/unselect | Select | GOOG-12-008900 | Configuration API: DISALLOW_SHARE_INTO_MANAGED_PROFILE |
| Restrictions | Disallow Add User | Select/unselect | Select | GOOG-12-009000 | Multi-user mode Configuration API: DISALLOW_MODIFY_ACCOUNTS |
| Restrictions | Disallow/allow location services | Select/unselect | Select | GOOG-12-000200 | Configuration API: DISALLOW_CONFIG_LOCATION DISALLOW_SHARE_LOCATION |
| Restrictions | Enable security logging | Select/unselect | Select | GOOG-12-002800, GOOG-12-007800 | Configuration API: setSecurityLoggingEnabled |
| Restrictions | Disallow config tethering | Select/unselect | Select | GOOG-12-009900 | Configuration API: DISALLOW_CONFIG_TETHERING |
| Policy Management | Certificates | Include DoD certificates in work profile | | GOOG-12-010000 | Configuration API: installCaCert() |
| Restrictions | Disallow config credentials | Select/unselect | Select | GOOG-12-012100 | Configuration API: DISALLOW_CONFIG_CREDENTIALS |
| Restrictions | Disallow modify accounts in work profile | Select/unselect | Select | GOOG-12-010100 | Blocks adding personal accounts to a work profile by user. Configuration API: DISALLOW_MODIFY_ACCOUNTS |
| Policy Management | Core app allow list | Select/unselect | Select | GOOG-12-010200 | Enforce system app “disable” list with this control. |

| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|--------------------------|---|---|--|---------------------|---|
| | | | | | Configuration API: enableSystemApp and setApplicationHidden |
| Enrollment Configuration | Default device enrollment | Fully Managed/ Use for work and personal | Fully Managed/ Use for work and personal | GOOG-12-010300 | COPE enrollment |
| Restrictions | Disallow autofill on web browser | Enable/Disable | Disable | GOOG-12-010400 | Workspace browser auto completion Chrome Browser configuration: SearchSuggestEnabled = Disabled |
| Restrictions | Disallow autofill in work profile apps | Select/ unselect | Select | GOOG-12-010500 | System autofill: Configuration API: DISALLOW_AUTOFILL |
| Restrictions | Set auto (network) time required | Select/ unselect | Select | GOOG-12-010600 | Configuration API: SetAutoTimeRequired – on Parent DISALLOW_CONFIG_DATE_TIME – on User |
| Restrictions | Set input method to only default Keyboard | List of approved keyboards in device side Google Play | Do not approve any third-party keyboard applications | GOOG-12-010900 | Google Play on personal side of device can be allow list or block list. Configure with an allow list of approved apps and do not approve any third-party keyboard apps. |
| Restrictions | Cross-profile calendar | Allow all packages/ Set allowed packages | Disabled | Optional | Enables the capability of the personal profile calendar for viewing events on the work profile calendar. Configuration API: setCrossProfileCalendarPackages |
| Restrictions | Set Private DNS Mode | Off, Automatic, Specified Host, Unknown | Select | Optional | Forces the use of DNS over TLS. Configuration API: setGlobalPrivateDnsModeOpportunistic() or |

| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|--------------|-------------------------|-------------------------|--|---------------------|---|
| | | | | | setGlobalPrivateDnsModeSpecifiedHost() |
| Restrictions | Personal app allow list | List of approved apps | List only approved apps in Google Play | Optional | Implements an allow list of personal apps on Google Play for personal profile. MDM/EMM selects a list of allowed apps in Google Play. |
| Restrictions | Personal app block list | List of unapproved apps | List only unapproved apps in Google Play | Optional | Implements a block list of personal apps on Google Play for personal profile. MDM/EMM selects a list of blocked apps in Google Play. |
| Restrictions | CC Mode | Enable, Disable | Select | GOOG-12-011000 | Configuration API: setCommonCriteriaModeEnabled |
| Restrictions | Allow Config location | Enable, Disable | Disable | GOOG-12-009500 | Configuration API: DISALLOW_CONFIG_LOCATION |
| Restrictions | Allow Share location | Enable, Disable | Disable | GOOG-12-009500 | Configuration API: DISALLOW_SHARE_LOCATION |
| Restrictions | Enable USB | Enable, Disable | Disable | GOOG-12-012200 | Configuration API: setUsbDataSignalingEnabled |

Table 1-2: Configuration Policy Rules for COBO

| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|-----------------------|---|---|--|--------------------------------|---|
| Password Requirements | Minimum password length | 0+ | 6 | GOOG-12-006000 | Minimum device password length Configuration API: setPasswordMinimumLength |
| Password Requirements | Minimum password quality | Unspecified, Something, Numeric, Numeric (Complex), Alphabetic, Alphanumeric, Complex | Numeric (Complex), Alphabetic, Alphanumeric, or Complex | GOOG-12-006100 | Numeric (Complex) recommended. Configuration API: setPasswordQuality |
| Password Requirements | Device lock timeout | 0+ | 15 | GOOG-12-006200, GOOG-12-006300 | Configuration API: setMaximumTimeToLock |
| Password Requirements | Maximum number of failed attempts | 0+ | 10 | GOOG-12-006400 | Configuration API: setMaximumFailedPasswordsForWipe() |
| Restrictions | Non-Market App Installation | Select/unselect | Select | GOOG-12-006500 | Configuration API: DISALLOW_INSTALL_UNKNOWN_SOURCES |
| Restrictions | List of approved apps listed in managed Google Play | List of approved apps | List only approved workspace apps in managed Google Play | GOOG-12-006600, GOOG-12-006700 | Managed Google Play is always a block-listed App Store. |

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| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|--------------|----------------------------|---------------------|--------------------|------------------------------------|---|
| Restrictions | Bluetooth | Select/ unselect | Select/unselect | GOOG-12-009400 | Setting of control depends on AO decision. Configuration API: DISALLOW_CONFIG_BLUETOOTH |
| Restrictions | Unredacted Notifications | Select/ unselect | Select | GOOG-12-006800 | Configuration API: KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS |
| Restrictions | Disable trust agents | Select/ unselect | Select | GOOG-12-007200 | Configuration API: KEYGUARD_DISABLE_TRUST_AGENTS |
| Restrictions | Debugging features | Select/ unselect | Select | GOOG-12-007400 | Configuration API: DISALLOW_DEBUGGING_FEATURES |
| Restrictions | Lock Screen Message | Enable/ Disable | Enable, Disable | GOOG-12-007700 | If the DoD warning banner is not placed in the User Agreement, configure on the Google device via the MDM console and enter required text. Configuration API: setDeviceOwnerLockScreenInfo |
| Restrictions | Disallow USB file transfer | Select/ unselect | Select | GOOG-12-008400, GOOG-12-008500 | Configuration API: DISALLOW_MOUNT_PHYSICAL_MEDIA DISALLOW_USB_FILE_TRANSFER |
| Restrictions | Disallow backup service | Select/ unselect | Select | Optional setting GOOG-12-008600 | Since personal accounts cannot be added (GOOG-12-010100), this control only impacts personal profile accounts. Site can allow backup based on local policy. Configuration API: setBackupServiceEnabled |
| Restrictions | Disallow Add User | Select/ unselect | Select | GOOG-12-009000 | Multi-user mode Configuration API: DISALLOW_MODIFY_ACCOUNTS |

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| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|---------------------|----------------------------------|--|-----------------|-----------------------------------|---|
| Restrictions | Disallow/allow location services | Select/unselect | Select | GOOG-12-000200 | Configuration API: DISALLOW_CONFIG_LOCATION DISALLOW_SHARE_LOCATION |
| Restrictions | Enable security logging | Select/unselect | Select | GOOG-12-002800, GOOG-12-007800 | Configuration API: setSecurityLoggingEnabled |
| Restrictions | Disallow config tethering | Select/unselect | Select | GOOG-12-009900 | Configuration API: DISALLOW_CONFIG_TETHERING |
| Policy Management | Certificates | Include DoD certificates in work profile | | GOOG-12-010000 | Configuration API: installCaCert() |
| Restrictions | Disallow config credentials | Select/unselect | Select | GOOG-11-009100 | Configuration API: DISALLOW_CONFIG_CREDENTIALS |
| Policy Management | Core app allow list | Select/unselect | Select | GOOG-12-010200 | Enforce system app “disable” list with this control. Configuration API: enableSystemApp and setApplicationHidden |
| Restrictions | Disallow autofill on web browser | Enable/Disable | Disable | GOOG-12-010400 | Workspace browser auto completion Chrome Browser configuration: SearchSuggestEnabled = Disabled |
| Restrictions | Disallow autofill | Select/unselect | Select | GOOG-11-010400 | System auto fill: Configuration API: DISALLOW_AUTOFILL |
| Restrictions | Set auto (network) time required | Select/unselect | Select | GOOG-12-010600 | Configuration API: SetAutoTimeRequired – on Parent DISALLOW_CONFIG_DATE_TIME – on User |

| Policy Group | Policy Rule | Options | Settings | Related Requirement | Comment |
|--------------|---|--|----------|---------------------|---|
| Restrictions | Set input method to only default Keyboard | Select/ unselect | Select | GOOG-12-010900 | Configuration API: setPermittedInputMethods |
| Restrictions | Set Private DNS Mode | Off, Automatic, Specified Host, Unknown | Select | Optional | Forces the use of DNS over TLS. Configuration API: setGlobalPrivateDnsModeOpportunistic() or setGlobalPrivateDnsModeSpecifiedHost() |
| Restrictions | CC Mode | Enable, Disable | Select | GOOG-12-011000 | Configuration API: setCommonCriteriaModeEnabled |
| Restrictions | Set location | Enable, Disable | Disable | GOOG-12-009500 | Configuration API: setLocationEnabled () |
| Restrictions | Enable USB | Enable, Disable | Disable | GOOG-12-012200 | Configuration API: setUsbDataSignalingEnabled |