

Intune Detection Rules

Last Modified on 08.21.23

If you are uploading an application with a custom detection method, you can set the detection method as **Windows Installer**, **File and folder**, or **Registry**.

NOTE: The detection method is in JSON format and you'll need to use the format specified in this article's examples.

Windows Installer

Modifiable values:

- **productVersionOperator**
 - notConfigured, equal, notEqual, greaterThan, greaterThanOrEqualTo, lessThan, lessThanOrEqualTo
 - The operator to detect product version.
- **productCode**
 - String value
 - Product code of the Windows installer
- **productVersion**
 - String value
 - Value of the Windows installer

Example 1 - Windows installer product code

```
[{
  "@odata.type": "#microsoft.graph.win32LobAppProductCodeDetection",
  "productVersionOperator": "notConfigured",
  "productCode": "{57F514A0-50E6-463B-A1CB-F173B336F689}",
  "productVersion": "5.5.7"
}]
```

Example 2 - Windows installer product code with specific version

```
[{
  "@odata.type": "#microsoft.graph.win32LobAppProductCodeDetection",
  "productVersionOperator": "equal",
  "productCode": "{57F514A0-50E6-463B-A1CB-F173B336F689}",
  "productVersion": "5.5.7"
}]
```

File and folder

Modifiable values:

- **path**
 - String value
 - Path to a folder containing the target file or folder. Use two backslash to differentiate folders

- **fileOrFolderName**
 - String value
 - Name of the target file or folder
- **check32BitOn64System**
 - true, false
 - A value indicating whether this file or folder is for checking 32-bit app on 64-bit system
- **detectionType**
 - notConfigured, exists, modifiedDate, createDate, version, sizeInMB, doesNotExist
 - The file system detection type
- **operator**
 - notConfigured, equal, notEqual, greaterThan, greaterThanOrEqualTo, lessThan, lessThanOrEqualTo
 - The operator to detect product version.
- **detectionValue**
 - Value of the detection type

Example 1 - Folder exists

```
[{
  '@odata.type': '#microsoft.graph.win32LobAppFileSystemDetection',
  path: 'C:\\Program Files\\Google\\Drive File Stream',
  fileOrFolderName: '54.0.3.0',
  check32BitOn64System: false,
  detectionType: 'exists',
  operator: 'notConfigured',
  detectionValue: null
}]
```

Example 2 - File version

```
[{
  "@odata.type": "#microsoft.graph.win32LobAppFileSystemDetection",
  "path": "C:\\Program Files\\Google\\Drive File Stream\\54.0.3.0",
  "fileOrFolderName": "GoogleDriveFS.exe",
  "check32BitOn64System": false,
  "detectionType": "version",
  "operator": "equal",
  "detectionValue": "54.0.3.0"
}]
```

Registry

Modifiable values:

- **check32BitOn64System**
 - true, false
 - A value indicating whether this registry path is for checking 32-bit app on 64-bit system
- **keyPath**

- String value
- Path to a target registry key
- **valueName**
 - String value
 - The target registry value name
- **detectionType**
 - notConfigured, exists, modifiedDate, createDate, version, sizeInMB, doesNotExist
 - The registry data detection type
- **operator**
 - notConfigured, equal, notEqual, greaterThan, greaterThanOrEqual, lessThan, lessThanOrEqual
 - The operator for registry data detection
- **detectionValue**
 - The registry detection value

Example 1 - Registry string value

```
[{
  "@odata.type": "#microsoft.graph.win32LobAppRegistryDetection",
  "check32BitOn64System": false,
  "keyPath": "HKEY_LOCAL_MACHINE\\SOFTWARE\\Microsoft\\Windows\\CurrentVersion\\Uninstall\\O365ProPlusRetail -
en-us",
  "valueName": "DisplayVersion",
  "detectionType": "string",
  "operator": "greaterThanOrEqual",
  "detectionValue": "16.0.14931.20132"
}]
```

Example 2 - Registry value exists

```
[{
  "@odata.type": "#microsoft.graph.win32LobAppRegistryDetection",
  "check32BitOn64System": false,
  "keyPath": "HKEY_LOCAL_MACHINE\\SOFTWARE\\Microsoft\\Windows\\CurrentVersion\\Uninstall\\O365ProPlusRetail -
en-us",
  "valueName": "DisplayVersion",
  "detectionType": "exists",
  "operator": "notConfigured",
  "detectionValue": "null"
}]
```