

# SoftwareUpdateServices

## mc\_mobile\_tunnel

isLockdownModeEnabled is called in the function:

```
-[MTIPCUTunnelParser _commandInstallProfile:]
```

Here is a snippet from IDA:

```
if ( [MTIPCUTunnelParser _isLockdownModeEnabled] )
{
    v16 = DMCErrorsArray(CFSTR("ERROR_PROFILE_INSTALL_PREVENTED_BY_LOCKDOWN"));
    v17 = (id)objc_claimAutoreleasedReturnValue(v16);
    v18 = DMCErrorsTypeFatal;
    v19 = DMCErrorsInstallationErrorDomain;
    v20 = 4021LL;
}
else
{
    v27 = DMCErrorsArray(CFSTR("ERROR_PROFILE_NO_INTERACTIVE_INSTALLATION"));
    v17 = (id)objc_claimAutoreleasedReturnValue(v27);
    v18 = DMCErrorsTypeFatal;
    v19 = DMCErrorsInstallationErrorDomain;
    v20 = 4020LL;
}
```

This is where it's preventing the [installation of profiles](#) when [Lockdown Mode](#) is enabled as mentioned by Apple.



# SoftwareUpdateServices

## softwareupdateservicesd

isLockdownModeEnabled is called in the function:

```
-[SUManagerCore shouldShowRollbackSuggestionAlert:error:]
```

If **Lockdown Mode** is enabled, it will log "Device is in Lockdown Mode. Ignoring revoked update" and NOT allow a rollback from a revoked update.

The above function is called via an **objc\_msgSend stub** by the following functions:

- [SUManagerCore revokedUpdateFound:]
  - Where **LDM** determines if Rollback Suggestions are shown.
- [SUManagerCore suggestRollback:rollbackDescriptor:withResult:]
  - Where **LDM** prevents the presentation of the rollback.

It is possible this will prevent rolling back the NEW **Rapid Security Response (RSR)**