

# Upgrading or Repairing the Visual C++ Redistributable on Windows (Windows script)

## Description

This article describes how to use the attached FileWave Fileset to install or update the Microsoft Visual C++ Redistributable (VC++). The provided Fileset ensures that the appropriate version of VC++ is installed based on the processor architecture (AMD64, ARM64, or x86) of the device. The script included in the Fileset automatically downloads the correct VC++ installer from Microsoft, installs it, and then performs cleanup.

## Ingredients

- FileWave Admin: Required to import and deploy the Fileset to Windows devices.
- VC++ Fileset: Download the Fileset using the link below.



## Directions

1. Import the Fileset:
  - Download the Fileset from the link above.
  - Import the Fileset into the FileWave Admin console.
2. Review the Script in the Fileset:
  - The Fileset contains the following PowerShell script that determines the system architecture, downloads the appropriate version of VC++, installs it, and cleans up the temporary files.

```
echo $env:PROCESSOR_ARCHITECTURE

# Determine processor architecture
$Architecture = $env:PROCESSOR_ARCHITECTURE
if ($Architecture -eq 'AMD64') {
    $InstallerUrl = 'https://aka.ms/vs/17/release/vc_redist.x64.exe'
} elseif ($Architecture -eq 'ARM64') {
    $InstallerUrl = 'https://aka.ms/vs/17/release/vc_redist.arm64.exe'
} else {
    $InstallerUrl = 'https://aka.ms/vs/17/release/vc_redist.x86.exe'
}

echo $InstallerUrl

# Download installer
$InstallerPath = "$env:TEMP\vc_redist.exe"
Invoke-WebRequest -Uri $InstallerUrl -OutFile $InstallerPath

# Install Visual C++ redistributable
Start-Process -FilePath $InstallerPath -ArgumentList '/install', '/passive', '/norestart' -Wait

# Clean up
Remove-Item -Path $InstallerPath
```

3. Associate the Fileset:
  - Assign the Fileset to the relevant Windows devices where VC++ needs to be installed or updated.

## Notes

- Customizations: If a newer version of VC++ is required, you can update the URLs in the script to point to the latest Microsoft Visual C++ Redistributable version.
- Architecture Detection: The script handles common architectures like AMD64, ARM64, and x86, which are automatically detected and used to download the appropriate version of VC++.

- Silent Installation: The script installs VC++ in passive mode without user interaction and suppresses a reboot. If you need a different installation behavior, modify the argument list in the Start-Process command.

## Related Content

- [Microsoft Visual C++ Redistributable Documentation](#)

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