PSProjectStatus Help¹

https://jdhitsolutions.github.io

v0.17.0

¹https://github.com/jdhitsolutions/PSProjectStatus

Contents

PSProjectStatus PSProjectStatus	2
Installation	 . 2
Module Commands	
Status	
Tasks	 . 3
Other	 . 3
Class-Based	. 3
Creating a Project Status	
Getting a Project Status	
Updating a Project Status	
Source Control Status	
Manually Updating with the Object	
Project Tasks	 . 11
Project Management	
Get-PSProjectReport	 . 14
Project Tags	
Removing Project Status	 . 16
Module Extensions	
Type Extensions	 . 16
Formatting	 . 17
Verbose, Warning, and Debug	 . 18
Editor Integration	
PowerShell ISE	
VS Code	 . 21
JSON Schema	 . 22
Cross-Platform Support	 . 23
Road Map	

PSProjectStatus

This PowerShell module is designed to make it easier to manage your projects and modules. It provides a snapshot overview of the project's status. You can use this to quickly determine when you last worked on a module and what high-level tasks remain. Status information is stored in a JSON file that resides in the module's root directory. If you have initialized *git* for the module, the project status will include the current branch.

Installation

Install this module from the PowerShell Gallery.

Install-Module PSProjectStatus

Or you can use the Microsoft.PowerShell.PSResourceGet module.

Install-PSResource PSProjectStatus -Scope AllUsers

This module is supported in Windows PowerShell 5.1 and PowerShell 7.

Module Commands

Status

- New-PSProjectStatus
- Get-PSProjectStatus
- Set-PSProjectStatus

Tasks

- New-PSProjectTask
- Get-PSProjectTask
- Remove-PSProjectTask

Other

- Get-PSProjectReport
- Get-PSProjectGitStatus
- Open-PSProjectStatusHelp

After importing the module you can run Open-PSProjectStatusHelp which will open a PDF version of this document in the default application associated with PDF files. Or if you are running PowerShell 7, you can use the -AsMarkdown dynamic parameter to read this file using markdown formatting. Not all markdown features may render properly in the console.

Class-Based

The project status is based on a private class-based definition. The PowerShell classes are used to construct the JSON file which in turn is used to create a PSProject object and update its properties.

```
Class PSProjectRemote {
  [string]$Name
  [string]$Url
  [gitMode]$Mode
  PSProjectRemote ($Name, $url, $mode) {
      $this.Name = $Name
      $this.url = $url
      $this.mode = $mode
  #allow an empty remote setting
  PSProjectRemote() {
      $this.Name = ''
      $this.url = ''
  }
}
Class PSProjectTask {
  [string]$ProjectName
  [string]$Path
```

```
[string]$TaskDescription
  [version]$ProjectVersion
  [int]$TaskID
  PSProjectTask ($TaskDescription, $Path, $ProjectName, $ProjectVersion) {
      $this.ProjectName = $ProjectName
      $this.Path = $Path
      $this.TaskDescription = $TaskDescription
      $this.ProjectVersion = $ProjectVersion
  }
}
#I have formatted longer lines with artificial line breaks to fit a
#printed page.
Class PSProject {
  [string]$Name = (Split-Path (Get-Location).path -Leaf)
  [string]$Path = (Convert-Path (Get-Location).path)
  [DateTime]$LastUpdate = (Get-Date)
  [string[]]$Tasks = @()
  [PSProjectStatus]$Status = 'Development'
  [Version]$ProjectVersion = (Test-ModuleManifest ".\$(Split-Path $pwd `)
  -Leaf).psd1" -ErrorAction SilentlyContinue).version
  [string]$GitBranch = ''
  #using .NET classes to ensure compatibility with non-Windows platforms
  [string]$UpdateUser = "$([System.Environment]::UserDomainName)\`
  $([System.Environment]::Username)"
  [string]$Computername = [System.Environment]::MachineName
  [PSProjectRemote[]]$RemoteRepository = @()
  [string]$Comment = ''
  [void]Save() {
      $json = Join-Path -Path $this.path -ChildPath psproject.json
      #convert the ProjectVersion to a string in the JSON file
      #convert the LastUpdate to a formatted date string
      $this | Select-Object @{Name = '$schema'; Expression = {
      'https://raw.githubusercontent.com/jdhitsolutions/PSProjectStatus/
      main/psproject.schema.json' } },
      Name, Path,
      @{Name = 'LastUpdate'; Expression = { '{0:o}' -f $_.LastUpdate }},
      @{Name = 'Status'; Expression = { $_.status.toString() }},
      @{Name = 'ProjectVersion'; Expression = {
        $_.ProjectVersion.toString()}}, UpdateUser, Computername,
        RemoteRepository, Tasks, GitBranch, Comment
      ConvertTo-Json | Out-File -FilePath $json -Encoding utf8
```

```
[void]RefreshProjectVersion() {
      $this.ProjectVersion = (Test-ModuleManifest ".\$(Split-Path $pwd `)
       -Leaf).psd1" -ErrorAction SilentlyContinue).version
  [void]RefreshUser() {
      $this.UpdateUser = "$([System.Environment]::UserDomainName)\`
      $([System.Environment]::Username)"
  [void]RefreshComputer() {
      $this.Computername = [System.Environment]::MachineName
  [void]RefreshRemoteRepository() {
      if (Test-Path .git) {
          $remotes = git remote -v
          if ($remotes) {
              repos = 0()
              foreach ($remote in $remotes) {
                  $split = $remote.split()
                  $RemoteName = $split[0]
                  $Url = $split[1]
                  $Mode = $split[2].replace('(', '').Replace(')', '')
                  $repos += [PSProjectRemote]::new($RemoteName, $url,
                  $mode)
              } #foreach
              $this.RemoteRepository = $repos
          } #if remotes found
      }
  }
  [void]RefreshAll() {
      $this.RefreshProjectVersion()
      $this.RefreshUser()
      $this.RefreshComputer()
      $this.RefreshRemoteRepository()
      $this.Save()
The class includes a status enumeration.
```powershell
enum PSProjectStatus {
 Development
```

```
Updating
Stable
AlphaTesting
BetaTesting
ReleaseCandidate
Patching
UnitTesting
AcceptanceTesting
Other

}
```

At this time it is not possible to include a user-defined project status. It is hoped that you can find something appropriate from the current status list.

The Age ScriptProperty and VersionInfo property sets are added to the object as type extensions.

```
<?xml version="1.0" encoding="utf-8"?>
<Types>
 <Type>
 <Name>PSProject</Name>
 <Members>
 <PropertySet>
 <Name>versionInfo</Name>
 <ReferencedProperties>
 <Name>Name</Name>
 <Name>Status</Name>
 <Name>Version</Name>
 <Name>GitBranch</Name>
 <Name>LastUpdate</Name>
 </ReferencedProperties>
 </PropertySet>
 <AliasProperty>
 <Name>Version</Name>
 <ReferencedMemberName>ProjectVersion</ReferencedMemberName>
 </AliasProperty>
 <AliasProperty>
 <Name>Username</Name>
 <ReferencedMemberName>UpdateUserReferencedMemberName>
 </AliasProperty>
 <ScriptProperty>
 <Name>Age</Name>
 <GetScriptBlock> (Get-Date) - $this.lastUpdate </GetScriptBlock>
 </scriptProperty>
 </Members>
```

```
</Type>
</Types>
```

**Note:** Note that some screen shots may be incomplete as I am still adding properties to the PSProject class.

# **Creating a Project Status**

To create a project status file, navigate to the module root and run New-PSProjectStatus. The default status is Development

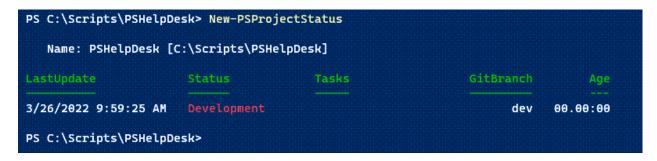


Figure 1: New PSProject Status

You can update properties when you create the project status.

```
New-PSProjectStatus -LastUpdate (Get-Item .*.psd1).LastWriteTime `
-Status Updating -tasks "update help"
```

Figure 2: new custom project status

The command will create psproject. json in the root folder.

```
{
 "$schema": "https://raw.githubusercontent.com/jdhitsolutions/
 PSProjectStatus/main/psproject.schema.json",
```

```
"Name": "PSHelpDesk",
"Path": "C:\\Scripts\\PSHelpDesk",
"LastUpdate": "2024-02-20T09:47:33-05:00",
"Status": "Updating",
"ProjectVersion": "0.1.0",
"UpdateUser": "PROSPERO\\Jeff",
"Computername": "PROSPERO",
"RemoteRepository": [],
"Tasks": [
 "update help"
],
"GitBranch": "dev",
"Tags : [],
"Comment": ""
}
```

Note that the update time is formatted as a UTC string. The project version will be pulled from the module manifest if found. You can set this to a different value manually in the JSON file or by running Set-PSProjectStatus.

**Note:** If you are using *git* with your module you may want to add psproject.json to your .gitignore file.

### **Getting a Project Status**

The easiest way to view a project status is by using Get-PSProjectStatus.

If the PowerShell host supports ANSI, a status of Stable will be displayed in Green. Development will be shown in Red and Updating in Yellow.

The module has a default list view.

```
PS C:\scripts\PSCalendar> Get-PSProjectStatus | Format-List

Project: PSCalendar [C:\Scripts\PSCalendar]
```

```
Version : 2.9.0
Status : Patching
Tasks : {Update help documentation, Issue #31,Issue #34,Issue #33}
GitBranch : 2.9.0
LastUpdate : 3/3/2024 10:24:49 AM
```

This makes it easier to view tasks.

### **Updating a Project Status**

To update the project status, you could always manually update the JSON file in your script editor. Use this code snippet to get the DateTime value in the proper format.

```
Get-Date -format o | Set-Clipboard
```

Paste the value into the file.

The Status value is an integer indicating a private enumeration value.

```
Development = 0
Updating = 1
Stable = 2
AlphaTesting = 3
BetaTesting = 4
ReleaseCandidate = 5
Patching = 6
UnitTesting = 7
AcceptanceTesting = 8
Other = 9
Archive = 10
```

Or use the Set-PSProjectStatus function.

When defining tasks, use -Concatenate to append the tasks. Otherwise, tasks will be overwritten with the new value.

#### **Source Control Status**

The commands in this module assume you are most likely using git for source control. The status object will automatically detect the local git branch. It will also detect the primary remote repositories.

Figure 3: remote repository status

### **Manually Updating with the Object**

The PSProject class has been updated since the first version of this module was released. You can use the object's methods to refresh some properties. Here is an example of an incomplete status.

```
PS C:\Scripts\WingetTools> Get-PSProjectStatus | Select-Object *
 : WingetTools
Name
Status
 : Stable
Version
GitBranch
 : main
LastUpdate
 : 3/17/2024 9:46:35 AM
Age
 : 9.00:22:39.3936893
Path
 : C:\Scripts\WingetTools
ProjectVersion
UpdateUser
 : THINKX1-JH\Jeff
Computername
RemoteRepository : {}
 : {}
Tasks
Comment
Tags
 : {}
```

To update, get a reference to the project status object.

```
$p = Get-PSProjectStatus
```

Get-Member will show you the available methods.

```
TypeName: PSProject
 MemberType Definition
Equals
 bool Equals(System.Object obj)
 Method
GetHashCode
 Method
 int GetHashCode()
GetType
 Method
 type GetType()
 Method
RefreshComputer
 void RefreshComputer()
RefreshProjectVersion
 Method
 void RefreshProjectVersion()
RefreshRemoteRepository Method
 void RefreshRemoteRepository()
RefreshUser
 void RefreshUser()
 Method
Save
 Method
 void Save()
ToString
 Method
 string ToString()
```

Figure 4: psproject methods

Invoke the methods that apply to your project. You need to invoke the Save() method to commit the changes to the JSON file.

```
$p.RefreshComputer()
$p.RefreshUser()
$p.RefreshProjectVersion()
$p.RefreshRemoteRepository()
$p.save()
```

As an alternative can use the RefreshAll() method which will invoke all the refresh methods **and** save the file.

## **Project Tasks**

This module is intended to be a *simple* project management tool. You can use it to track tasks or to-do items. These are added to the Tasks property as an array of strings. You can manually add them to the JSON file or use the Set-PSProjectStatus function.

```
C:\Scripts\PSProjectStatus> $params = @{
 Tasks="Update missing online help links"
 Concatenate=$true
}
```

Or you can use the task-related commands.

```
PS C:\Scripts\PSProjectStatus> Get-PSProjectTask

Name: PSProjectStatus [C:\Scripts\PSProjectStatus]

• Consider a schema update for tasks [1]

• Create TUI-based management tools [2]

• Add support for tags Issue 8. This would need a schema update. [3]

• Update README [4]

• Pester tests [5]

• Update missing online help links [6]
```

Figure 5: Get-PSProjectTask

If the PowerShell host supports it, you should get ANSI formatting. The task ID is automatically generated for each item and displayed in square brackets. You can also add a task.

```
PS C:\Scripts\PSProjectStatus> New-PSProjectTask -TaskDescription "Add localized string data" -PassTh
ru

Name: PSProjectStatus [C:\Scripts\PSProjectStatus]

• Add localized string data [7]
```

Figure 6: New-PSProjectTask

You can manually remove items from the JSON file or use the Remove-PSProjectTask function. You will need to know the task id.

```
Remove-PSProjectTask -TaskID 4
```

Note: The PSProjectTask object is defined in a PowerShell class. The class is defined with future enhancements in mind. Not all defined properties are used at this time.

## **Project Management**

If you have many projects, you can use this module to manage all of them.

```
Get-ChildItem -Path c:\scripts -Directory |
Get-PSProjectStatus -WarningAction SilentlyContinue
```

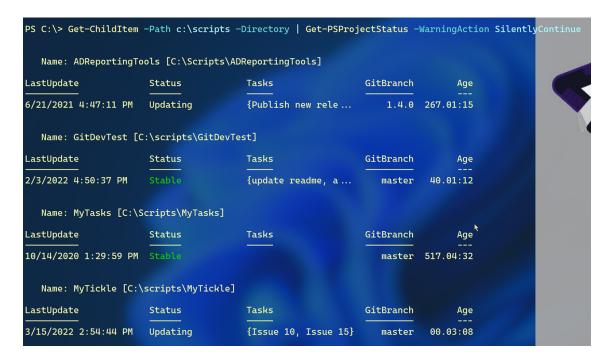


Figure 7: list projects

You will want to suppress Warning messages. If you are running PowerShell 7 and have the Microsoft.PowerShell.ConsoleGuiTools module installed, you can run a script like this:

```
#requires -version 7.2
#requires -module Microsoft.PowerShell.ConsoleGuiTools

#open a project using the PSProject status

Import-Module PSProjectStatus -Force

#Enumerate all directories and get the project status for each
$all = Get-ChildItem -Path C:\scripts -Directory |
Get-PSProjectStatus -WarningAction SilentlyContinue

#Pipe directory output to Out-ConsoleGridView
#and open the selected project in VS Code
$all | Sort-Object Status, LastUpdate |
```

```
Select-Object Path, Status,
@{Name = "Tasks"; Expression = { $_.Tasks -join ',' } },
GitBranch, LastUpdate |
Out-ConsoleGridView -Title "PSProject Management" -OutputMode Single |
ForEach-Object { code $_.path }
```

This will give you a list of projects.

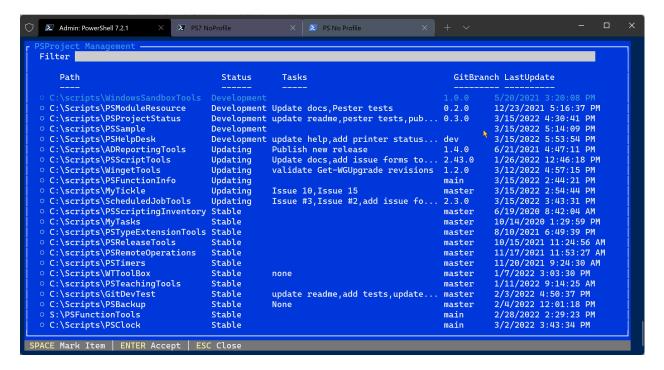


Figure 8: project list

You can select a single project, press Enter, and open the folder in VS Code. You could write a similar script for Windows PowerShell using Out-GridView.

### **Get-PSProjectReport**

Beginning with version 0.10.0 you can use Get-PSProjectReport to simplify project management.

You can get all of your projects.

```
Get-PSProjectReport c:\scripts
```

You can filter by status.

```
PS C:\> Get-PSProjectReport c:\scripts -Status Other

Name: PSMessaging [C:\Scripts\PSMessaging]
```

LastUpdate	Status	Tasks	GitBranch	Age
7/20/2022 11:58:54 AM	Other	{}	master	192.02:11

And you can filter by age.

## **Project Tags**

Support for tags was added in version 0.12.0. You can define tags when you create the project status file.

```
New-PSProjectStatus -Tasks "prototype" -Tags tui - -version 0.2.0
```

Or you can add them later.

```
Set-PSProjectStatus -Tags "beta", "tui"
```

When using this command you need to redefine existing tags. Or add the tags manually to the JSON file.

You can view tags with a formatted list view.

```
PS C:\work\terminalgui> Get-PSProjectStatus | Format-List

Project: terminalgui [C:\work\terminalgui]

Version : 0.2.0
Status : Development

Tasks : {prototype}

Tags : {beta, tui}

GitBranch :
LastUpdate : 12/27/2024 5:11:30 PM

Age : 00:02:48.0251636
```

You are most likely to use tags when managing multiple projects. Get-PSProjectReport includes a -Tag parameter so that you can filter from your parent folder.

If you want to remove tags, either manually edit the JSON file or use Set-PSProjectStatus and set an empty array.

```
Set-PSProjectStatus -Tags @()
```

### **Removing Project Status**

If no you longer want to track the project status for a given folder, simply delete the associated JSON file. As an alternative, you can set the status to Archive.

### **Module Extensions**

### **Type Extensions**

The commands in this module have defined type extensions. Alias and script properties have been defined.

```
PS C:\Scripts\PSProjectStatus> Get-PSProjectstatus
Get-Member -MemberType Properties, PropertySet
 TypeName: PSProject
Name
 MemberType
 Definition
Username
 AliasProperty
 Username = UpdateUser
Version
 Version = ProjectVersion
 AliasProperty
Comment
 Property
 string Comment {get;set;}
 string Computername {get;set;}
Computername
 Property
 string GitBranch {get;set;}
GitBranch
 Property
 datetime LastUpdate {get;set;}
LastUpdate
 Property
Name
 string Name {get;set;}
 Property
Path
 Property
 string Path {get;set;}
ProjectVersion
 version ProjectVersion {get;set;}
 Property
 PSProjectRemote[] RemoteRepository
RemoteRepository Property
Status
 Property
 PSProjectStatus Status {get;set;}
```

```
Tags
 Property
 string[] Tags {get;set;}
Tasks
 string[] Tasks {get;set;}
 Property
UpdateUser
 Property
 string UpdateUser {get;set;}
 Info {Name, Status, Version, GitBranc...
 PropertySet
Tnfo
 versionInfo {Name, Status, Version, G...
versionInfo
 PropertySet
 ScriptProperty System.Object Age {get=(Get-Date) -
Age
```

The property sets make it easier to display a group of related properties.

```
PS C:\Scripts\PSProjectStatus> Get-PSProjectstatus | Select-Object Info
 : PSProjectStatus
Name
 : AcceptanceTesting
Status
Version
 : 0.13.0
GitBranch: 0.13.0
Tasks
 : {Create TUI-based management tools, Consider extending schema
 for a structured Task item [Issue 10],
 Pester tests
 : {}
Tags
Comment
 : none
PS C:\Scripts\PSProjectStatus> Get-PSProjectStatus |
Select-Object VersionInfo,Age
Name
 : PSProjectStatus
 : AcceptanceTesting
Status
Version
 : 0.13.0
GitBranch: 0.13.0
LastUpdate: 12/30/2023 1:43:37 PM
 : 00:03:56.0703713
Age
```

### **Formatting**

The module uses custom and default formatting for projects and tasks. The default format is a table. There are examples you can see in several screenshots above. You can use also Format-List.

```
PS C:\Scripts\PSProjectStatus> Get-PSProjectStatus | Format-List

Project: PSProjectStatus [C:\Scripts\PSProjectStatus]

Version : 0.15.0
Status : Updating
Tasks : {Create TUI-based management tools, Consider extending schema for
```

```
a structured Task item [Issue 10], Pester tests, Consider adding a project type, eg module, to the schema...}

Tags : {json, class-based}

GitBranch : 0.15.0

LastUpdate : 7/16/2024 1:07:22 PM

Age : 173.20:28:04
```

There is also a named view you can use.

```
PS C:\Scripts\PSProjectStatus> Get-PSProjectStatus |
Format-List -View info

Project: PSProjectStatus [C:\Scripts\PSProjectStatus]

Status : Updating
Tasks : {Create TUI-based management tools, Consider extending schema for a structured Task item [Issue 10], Pester tests, Consider adding a project type, eg module, to the schema...}

Tags : {json, class-based}
Comment :
Age : 173.20:28:37
```

### Verbose, Warning, and Debug

The commands in this module use localized string data to display verbose, warning, and debug messages. The module uses a private helper function to display verbose messaging. Each module command can be identified with a different ANSI color scheme.

```
PS C:\Scripts\PSProjectStatus> New-PSProjectTask
VERBOSE: [17:51:42.1715608 BEGIN] New-PSProjectTask→ Starting command

VERBOSE: [17:51:42.1718615 BEGIN] New-PSProjectTask→ Running under PowerShell version 7.4.0

VERBOSE: [17:51:42.1720995 BEGIN] New-PSProjectTask→ Using PowerShell Host ConsoleHost

VERBOSE: [17:51:42.1722998 BEGIN] New-PSProjectTask→ Using module PSWorkItem version 0.12.0

VERBOSE: [17:51:42.1739941 PROCESS] New-PSProjectTask→ Processing tasks in C:\Scripts\PSProjectStatus\psproject.json

VERBOSE: [17:51:42.175387 BEGIN] Restarting command
VERBOSE: [17:51:42.1765387 BEGIN
 Get-PSProjectTask→ Starting command
VERBOSE: [17:51:42.1768759 BEGIN
 Get-PSProjectTask→ Running under PowerShell version 7.4.0
VERBOSE: [17:51:42.1771554 BEGIN VERBOSE: [17:51:42.1775257 BEGIN
 Get-PSProjectTask \rightarrow Using PowerShell Host ConsoleHost
 Get-PSProjectTask→ Using module PSWorkItem version 0.12.0
VERBOSE: [17:51:42.1795287 PROCESS] Get-PSProjectTask→ Processing tasks in C:\Scripts\PSProjectStatus\psproject.json
VERBOSE: [17:51:42.1804555 PROCESS] Get-PSProjectTask→ Found 4 tasks
] Get-PSProjectTask→ Ending command
] New-PSProjectTask→ Ending command
VERBOSE: [17:51:42.1825000 END
VERBOSE: [17:51:42.1826952 END
 Name: PSProjectStatus [C:\Scripts\PSProjectStatus]

 Update README [4]
```

Figure 9: Sample verbose output

Note Localized string data to languages other than English was done with

GitHub CoPilot, so I can't guarantee the accuracy or quality of the translations. As of version 0.16.0 the supported cultures are fr-FR

The defined ANSI sequences are stored in a hashtable variable called \$PSProjectANSI.

```
$PSProjectANSI = @{
 'Get-PSProjectGitStatus' = '[1;38;5;51m'
 'Get-PSProjectReport' = '[1;38;5;111m'
 'Get-PSProjectStatus' = '[1;96m'
 'Get-PSProjectTask' = '[1;38;5;10m'
 'New-PSProjectStatus' = '[1;38;5;208m'
 'New-PSProjectTask' = '[1;38;5;159m'
 'Remove-PSProjectTask' = '[1;38;5;195m'
 'Set-PSProjectStatus' = '[1;38;5;214m'
 Default = '[1;38;5;51m'
}
```

You can change a setting by modifying the variable. You can use ANSI sequences or \$PSStyle

```
$PSProjectANSI["Get-PSProjectStatus"] = "[1;92m"

$PSProjectANSI["Get-PSProjectGitStatus"] = $PSStyle.Foreground.Cyan
```

These changes only persist for the duration of your PowerShell session or until you re-import the module. Use your profile script to import the module and update the variable.

```
Import-Module PSProjectStatus

$PSProjectANSI["Get-PSProjectStatus"] = "[1;38;5;140m"

$PSProjectANSI["Get-PSProjectGitStatus"] = "[1;38;5;77m"
```

You must use a PowerShell console that supports ANSI escape sequences. The PowerShell ISE **does not** support this feature.

# **Editor Integration**

If you import this module into your PowerShell editor, either Visual Studio Code or the PowerShell ISE, the module will add an update function called Update-PSProjectStatus. You can run the command from the integrated terminal or use the appropriate shortcut (see below). The command will the status based on user input, update the LastUpdate time to the current date and time, update the project version from the module manifest (if found), and update the git branch if found.

You need to make sure your terminal or console window is set to your project's

root directory.

### **PowerShell ISE**

If you import the module in the PowerShell ISE, it will add a menu shortcut under Add-Ons.

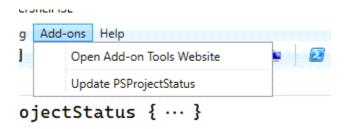


Figure 10: add-on menu

Click the shortcut and a status menu will be displayed in the console pane.

```
PS C:\scripts\PSProjectStatus> Update-PSProjectStatus
 Status Options
 [1] Development
 [6] ReleaseCandidate
 [2] Updating
 [7] Patching
 [3] Stable
 [8] UnitTesting
 [9] AcceptanceTesting
 [4] AlphaTesting
[5] BetaTesting
 [10] Other
Select a project status. Enter no value to cancel: 2
Name : PSProjectStatus
Status
 : Updating
Version : 0.6.0
GitBranch : 0.6.0
LastUpdate : 3/29/2022 2:13:03 PM
PS C:\scripts\PSProjectStatus>
```

Figure 11: ISE update status

Select a status and press Enter The function will call Set-PSProjectStatus and display the updated versioninfo property.

#### **VS** Code

Likewise, in VS Code open the command palette and go to PowerShell: Show Additional commands from PowerShell modules. You should see an option to update.



Figure 12: VSCode additional command

Select the menu choice and switch to the integrated terminal window.

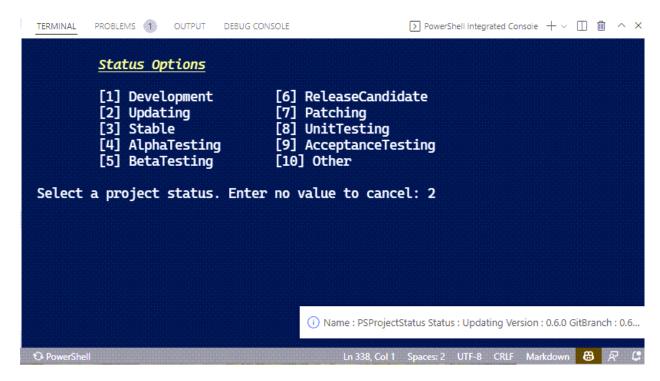


Figure 13: VSCode update status

The menu will loop and display until you enter a valid number or press Enter with no value. The summary will be displayed as a VSCode information message.

#### **JSON Schema**

A public JSON schema file was published with v0.8.0. If you edit the psproject.json file in VSCode, you should get tab completion for many of the settings. If you have a configuration file created with an earlier version of the module, run Set-PSProjectStatus with any parameter. This will insert the schema reference into the JSON file. Then you can edit the file in VSCode.

## **Cross-Platform Support**

The commands in this module should work under PowerShell 7.x cross-platform. Beginning with version 0.14.0, commands have been updated to store the path using operating system-appropriate paths. The only potential issue you might encounter is if you manage the same project files in Windows and Linux, e.g. using WSL. If that is the case, I recommend you run Set-PSProjectStatus before running any other commands. This will ensure the path in the JSON file is correct.

### **Road Map**

These are a few things I'm considering or have been suggested.

- Additional properties
  - priority
  - project type
- Editor integration to manage project tasks
- Extending the schema to support tasks
- Archiving completed tasks to a separate JSON file
- A WPF or TUI form to display the project status and make it easier to edit tasks

If you have any suggestions on how to extend this module or tips to others on how you are using it, please feel free to use the Discussions section of this module's GitHub repository.

Note: Project icon by Icons8