



2019

Making documentation great again!

Tom-Inge Larsen



Make PowerShell a real solution



2019

```
Administrator: PowerShell Core
C:\Users\Tom-IngeLarsen> Get-Speaker | fl

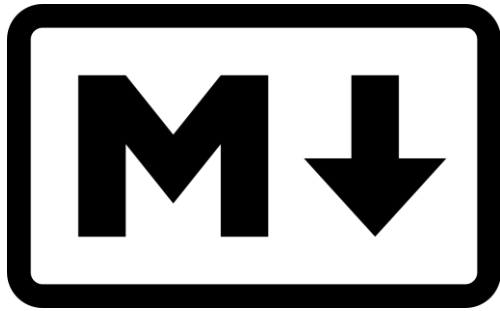
Name       : Tom-Inge Larsen
Role       : Technical Architect @ Rewired
Twitter    : @ti83
Contact    : tom-inge.larsen@rewired.no

C:\Users\Tom-IngeLarsen>
```



Documentation





MkDocs

Project documentation with Markdown.

README.md

build passing build passing

chat on gitter

PlatyPS





2019

markdown



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PlatyPS

Types of help documentation

Comments based

```
2  <#  
3  √ .SYNOPSIS  
4  | ...Short description  
5  √ .DESCRIPTION  
6  | ...Long description  
7  √ .EXAMPLE  
8  | ...PS C:\> <example usage>  
9  | ...Explanation of what the example does  
10 √ .INPUTS  
11 | ...Inputs (if any)  
12 √ .OUTPUTS  
13 | ...Output (if any)  
14 √ .NOTES  
15 | ...General notes  
16 #>
```

Types of help documentation

MAML-XML

```
<command:examples>
  <command:example>
    <maml:title>----- Example 1 -----</maml:
    <dev:code>PS C:\> New-PlaygroundDumpTruck -Name "Tonka" -Height "15" -Diameter
    <dev:remarks>
      <maml:para>Creates a new yellow dump truck.</maml:para>
    </dev:remarks>
  </command:example>
</command:examples>
<command:relatedLinks />
</command:command>
<command:command xmlns:maml="http://schemas.microsoft.com/maml/2004/10" xmlns:command="h
  <command:details>
    <command:name>Remove-PlaygroundToy</command:name>
    <command:verb>Remove</command:verb>
    <command:noun>PlaygroundToy</command:noun>
    <maml:description>
      <maml:para>Removes a toy from a playground.</maml:para>
    </maml:description>
  </command:details>
  <maml:description>
    <maml:para>Removes a toy from a playground.</maml:para>
  </maml:description>
  <command:syntax>
    <command:syntaxItem>
      <maml:name>Remove-PlaygroundToy</maml:name>
      <command:parameter required="true" variableLength="true" globbing="false" pipeline
```




Types of help documentation

Web!

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anature
cessInfo
apability
onfiguration
nd

Get-Help

Module: [Microsoft.PowerShell.Core](#)

Displays information about PowerShell commands and concepts.

PowerShell

[Copy](#)

Get-Help

```
[[[-Name] <String>]
[-Path <String>]
[-Category <String[]>]
[-Full]
[-Component <String[]>]
[-Functionality <String[]>]
[-Role <String[]>]
[<CommonParameters>]
```

Is this page helpful?

[Yes](#) [No](#)

In this article

[Syntax](#)

[Description](#)

[Examples](#)

[Parameters](#)

[Inputs](#)

[Outputs](#)

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PlatyPS

<https://github.com/PowerShell/platyPS>

- Generate markdown based on your module code
- Convert markdown to Powershell External Help (MAML-XML)
- Update markdown after code changes

```
<command:examples>
<command:example>
  <maml:title>----- Example 1 -----</maml:
  <dev:code>PS C:\> New-PlaygroundDumpTruck -Name "Tonka" -Height "15" -Diameter
  <dev:remarks>
    <maml:para>Creates a new yellow dump truck.</maml:para>
  </dev:remarks>
</command:example>
</command:examples>
<command:relatedLinks />
</command:command>
<command:command xmlns:maml="http://schemas.microsoft.com/maml/2004/10" xmlns:command="h
  <command:details>
    <command:name>Remove-PlaygroundToy</command:name>
    <command:verb>Remove</command:verb>
    <command:noun>PlaygroundToy</command:noun>
    <maml:description>
      <maml:para>Removes a toy from a playground.</maml:para>
    </maml:description>
  </command:details>
  <maml:description>
    <maml:para>Removes a toy from a playground.</maml:para>
  </maml:description>
  <command:syntax>
    <command:syntaxItem>
      <maml:name>Remove-PlaygroundToy</maml:name>
      <command:parameter required="true" variableLength="true" globbing="false" pipeline
```



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Demo



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MkDocs



MkDocs

- Framework for generating pretty HTML documentation written in markdown.
- Static HTML can be hosted almost anywhere



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Demo



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Thank you



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