

with input and output that you don't need to concern yourself with interactions with data.

- It has cmdlets & commands in PowerShell like typically they take cmdlets as input and return objects.
- It has many types of commands tables, cmdlets, functions, scripts or aliases.
- Since we work with objects in PowerShell we can access members like \$vm.
- We can see available commands using `Get-command`

- We can filter commands by using `Get-command -Name alias` which will filter by the name of the command.
- We can also filter by verb using `Get-Command -Verb Get -Name alias`

## Configure resources with Azure Resource Manager Templates:

- Deploying resources using Azure Resource Manager.

## Template advantages (Azure Resource Manager template):

- An Azure Resource Manager template defines all the Resource Manager pieces in a deployment.
- You can deploy this into a resource group as a single operation.

## Template Benefits

- Templates improve consistency (time test.)
- Templates help express complex deployment

- Templates reduce manual error prone tasks if you make manual you are likely to make mistakes.
- Templates are code
- Templates promote reuse.
- Templates are reusable (templates are reusable).
- Template simplify orchestration (only require deploy the template and all components are deployed)

## Template schema

- JSON object with 2 types number / boolean, list of values and an object.

## Blazor templates

- A Blazor Component is a domain specific language that uses declarative syntax to specify Azure resources
- Abstractions to your.
- Blazor converts its code to JSON that will later on can use in Azure
- Improvements
  - Simplified Syntax
  - Break down complex template deployment into smaller module files
  - Automatic dependency management (it detects automatically dependencies between modules).
  - Type validation and Intellisense (A Visual Studio extension helps identifying if the syntax is good).

## Quickstart templates

- Built-in templates that we can use that may have everything that we need and if they don't we can add to them (its a baseline).

- the ~~providing~~ Bill provides an ~~old~~ view of what the template does
- ~~a three display icon~~ ~~in the template~~ ~~the resource~~ ~~that~~ will be displayed.
- The ~~a three display~~ parameters ~~icon~~ Bill provides the values the template needs.