# Data Storage

* Global Preferences (Stored in Registry HKLM://DaveWare/Beater)
  + AppFolder
  + CertFolder
  + OscdimgPath
  + BaseImagePath
  + HDDPath
  + SnapShotPath
  + WorkingFolder
  + VMPath
  + VMTempFolder
* Per Network (Stored in json under Notes on vSwitch)
  + UseNAT
  + IPPrefix
  + SubnetMask
  + SubnetLength
  + Gateway
  + DHCPStart
  + DHCPEnd
* Per BaseImage (Stored in JSON file in same folder as .vhdx)
  + Name
  + OS
  + HDDFile
  + ProductKey
* Per VM (Stored in json under Notes)
  + Domain
  + LocalAdmin
  + LocalPassword
  + Roles
    - DC
    - CertServer
    - DNS
    - DHCP
    - Exchange
    - SQL
  + Domain (DC Only)
    - Name
    - NBName
    - DomainAdmin
    - DomainPassword

## Functions

* Generic
  + Write-BTRLog – Write info to log and/or console
    - Parameters
      * **Entry** – text to log
      * Level
        + Error
        + FunctionProgress
        + Progress
        + Debug
  + Connect-BTRPSSession – Connect PS Session to VM
    - Parameters
      * **VMName**  - Name of VM to connect to
    - Returns - PSSession
  + Install-BTRSoftware – Install software, downloading if required
    - Parameters
      * **VMName** – Name of VM to install software on
      * Name – Descriptive name of product to install
      * **Installer** – Name of Installer. A \* means to find latest version that matches pattern in the folder
      * Transform – .mst file to apply. MSI installers only
      * Patch – Patch to aply after install
      * InstallSwitches – Switches to apply to installer
      * PatchSwitches – Switches to apply to patch
      * URL – Url to download software from if it’s not in AppFolder
      * HardInstall – Switch use psexec to install remotely
    - Returns T/F
  + Wait-BTRVMOnline – Wait for VM to come online
    - Parameters
      * **VMName** – Name of VM
      * MaxWaitTime – Max time to wait in minutes. Default 5
      * WaitForLogin – Wait for logon to succeed
    - Returns T/F
  + Wait-BTRVMOffline – Wait for VM to go offline
    - Parameters
      * **VMName** – Name of VM
      * MaxWaitTime – Max time to wait in minutes. Default 10
    - Returns T/F
  + Wait-BTRVMReboot – Wait for VM to finish rebooting
    - Parameters
      * **VMName** – Name of VM
      * MaxWaitTime – Max time to wait in minutes. Default 10
      * WaitForLogin – Wait for logon to succeed
    - Returns T/F
  + Get-BtrNextIP – Get next available IP on switch
    - Parameters
      * **SwitchName** – Name of VSwitch
    - Returns – Next IP
* Base Image
  + NewBaseImage – Creates a new base image