BlueCare Configuration Deploy

Requirements: Powershell 2.0

Script features:

* support infinite BlueCare configuration files without modification of the main script
* duplicated servers will be check and cause script to break before any further actions
* source files will be check if they exist and if they has valid data
* for each column name, each source file will be read only once and place in global memory dataset
* overwrite operation for all servers will be performed **at once** with the data from global memory dataset
* modern error/exception handling, log format easy to import for other tools
* messages on screen represents actual state of the operations and their results

Installation and configuration:

1. Create main network share where you will store configuration files, for example: \\BlueCare\
2. Inside network share create "<ClientName>-Configs" and "<ClientName>-Logs" folders
3. Edit BlueCare-Configuration-Deploy-Settings.xml:

XLS\_SheetName = name of the sheet inside xls file

XLS\_FileName = default name of the xls file, if this is set you can skip providing it every time

g\_CfgClientName = name of the client, for multiple clients support

g\_CfgMasterPath = network share where you will store .param files

g\_CfgDestinationFolder = main destination path for BlueCare configs, don’t change for default BlueCare installation folder

1. Create you custom BlueCare configuration files and put them to corresponding folders:

\\NetworkShare\<ClientName>-Configs\K06\_EventLog.param\Example1-Type1.txt

\\NetworkShare\<ClientName>-Configs\<ColumnName>\Example2-Type2.txt

1. Edit you <ClientName>-BlueCare-Configuration-Test.xls file:
   1. Choose you desired config file for the corresponding server and BlueCare configuration file (column name) combination
   2. Put "Yes" in "ApplyConfiguration" column for every server that you want to deploy configuration
2. Additional remarks:

* the order of columns doesn’t matter
* additional columns will be skipped
* if you want to deploy another BlueCare configuration file, just add another folder and column with the name of "K06\_<filename>", for example: "K06\_Example.param"

Usage:

1. Run Powershell and go to the script directory, execute "BlueCare-Configuration-Deploy.ps1"
   1. For local testing

Create local share: [\\BlueCare\Configs](file:///\\BlueCare\Configs)

.\BlueCare-Configuration-Deploy.ps1 -XLS\_FileName ClientName-BlueCare-Configuration.xls –ApplyConfiguration –LocalTesting

* 1. For testing:

.\BlueCare-Configuration-Deploy.ps1 -XLS\_FileName ClientName-BlueCare-Configuration.xls -Verbose

It won't change BlueCare configuration files because destination path will be set to "\\Server\c$\Windows\Temp", even if "ApplyConfiguration" equal "Yes" in xls file.

* 1. For production:

.\BlueCare-Configuration-Deploy.ps1 -XLS\_FileName ClientName-BlueCare-Configuration.xls –ApplyConfiguration

BlueCare configuration files will be changed, but only for those servers that has "Yes in "ApplyConfiguration" column in xls file.

1. Check <ClientName>-Logs for success/error logs, each line represents:
   1. In case of success:

Server, BlueCare config file name (column name) < source file name that was used to overwrite data; ...

Example:

Server; K06\_ProcessorUsage.param < ProcesorUsage\_param\_dev.txt; K06\_Services.param < default.txt; K06\_EventLog.param < 9300\_test.txt;

* 1. In case of error:

Server, Error indicator < Error message;

Example:

Server; Error: \\Server\c\BlueCare\Configs < path\_does\_not\_exist/access\_denied

Server; Error: K06\_LogicalDisks.param < \\Server\d\BlueCare-Configuration-Deploy\<ClientName>-Configs\K06\_LogicalDisks.param\default\_dev 0.txt has no valid data!;

Server; Error: K06\_EventLog.param < D:\BlueCare-Configuration-Deploy\<ClientName>-Configs\K06\_EventLog.param\9300\_test.txt don't exist!;