# CMDB Reports General Information

File Naming Convention = YYYYMMDD\_CMDB.xlsx

Sorting/Dating = CMDB dates come from the name, not any file attribute. With this naming convention ascending numerical order of YYYYMMDD is the same as ascending chronological order which makes sorting the lists easy in both folders and the script.

# Inputs

Last\_Scanned\_CMDB.xlsx – The file name for the last scanned cmdb is stored in a text file last\_scan.txt. Upon each scan, that file name is replaced with current\_CMDB.

Current\_CMDB.xlsx – file name takes file name of last\_scanned and tries

1. Take all file names in the folder and sorts them
2. Find last scanned in that list, go in order scanning all that have later dates.

# Outputs

Server\_Build\_Report.xlsx (1 Total, each scan adds to the spreadsheet)

Server\_Decomm\_Report.xlsx (1 Total, each scan adds to the spreadsheet)

Server\_Change\_Report.xlsx (1 Total, each scan adds to the spreadsheet)

YYYYMMDD\_Change\_Report.xlsx (1 Per Scan)

YYYYMMDD\_Scan\_Log.txt (1 Per Scan)

# Pseudocode

Check last\_scan.txt for last scanned CMDB file name. Now find each new spreadsheet since that one was scanned, run the following for each of those…

New\_CMDB = LastScan +1.

Compare New CMDB to Old CMDB

Foreach(New\_Server in New\_CMDB){

Foreach(Last\_Server in Last\_CMDB){

If(New\_Server = Found in Last\_CMDB){

If(Server Hasn’t Changed){

Continue; // (Move to next server, this one hasn’t changed.)

}

Else If (Server status is Absent/Decomm/ETC){

Server Decomm – Add to Server\_Decomm\_Report

}

Else{

Unknown Change – Add to Server\_Change\_Report.xlsx

}

Else //(New\_Server (Exact Name) = Not Found in Last\_CMDB){

If( \*New\_Server\* (With wild Cards) = Found){

//Name Changed has changed, So…

If(Name has “OLD”/”Decom”/”-O”/”Retired”/Etc… in name){

Add to Server\_Decomm Report

}

Else If (Server status is Absent/Decomm/ETC){

Server Decomm – Add to Server\_Decomm\_Report

}

Else

Add to Server\_Change Report as Name Change

}

Else{

New Server - Add to Server Build Report

}

}

Compare Old CMDB to New CMDB

Foreach(Last\_Server in Last\_CMDB){

Foreach(New\_Server in in New\_CMDB){

If(Last Server = Not Found in New CMDB){

Add to Server\_Decomm Report

}

}

}

After each new CMDB scanned{

Update last\_scan.txt

Create YYYYMMDD\_Change\_Report.xlsx

Create YYYYMMDD\_Scan\_Log.txt

}