PowerShell
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PowerShell Commands Used

Command	What it does	Useful Hints	Reference
Expand-Archive	Unzips/extracts the contents of archived (zipped) folders to a specific location	Use –Force, to overwrite files with the same name.	https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.archive/expand-archive?view=powershell-7.4
Get-ChildItem	Displays the items and child items from a location	Use –Recurse, if you want to search through all directories and sub directories. Use –Filter, to select only files that have specific name or extension. Wild cards allowed.	https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.management/get-childitem?view=powershell-7.4
Get-Content	Gets the content of an item from a location	Use [XML] before the Get-Content command to specify the file type	https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.management/get-content?view=powershell-7.4
Rename-Item	Renames items		https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.management/rename-item?view=powershell-7.4

(-join($string1, $string 2))	Concatenates strings		https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.core/about/about_join?view=powershell-7.4
Remove-Item	Deletes items	Be careful with this command. Segregate your files so you do not delete things you do not want deleted.	https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.management/remove-item?view=powershell-7.4
Export-Csv	Converts objects into a series of character-separated value (CSV) strings and saves the strings to a file.	Use –Append, to add new data to the CSV instead of overwriting old data. See "Convert hashtables to CSV" in the Reference	https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.utility/export-csv?view=powershell-7.4
foreach ($file in $folder){ Do something with the $file }	Iterates through items in a collection of items (a loop).		https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.core/about/about_foreach?view=powershell-7.4
ForEach-Object {}	Performs an operation against each item in a collection of input objects.		https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.core/foreach-object?view=powershell-7.4

Power Query
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XSLT
XSLT Introduction (w3schools.com)

[XML and XSLT (w3schools.com)](https://www.w3schools.com)

[XSLT Transformation (w3schools.com)](https://www.w3schools.com)

Common XSL Elements Used

Element	What it does	Useful Hints	Reference
<xsl:variable>	Assigns something to a variable. Could be string, number, or xpath.	Global variables are declared at the top of the document and local variables are declared within the document.	https://www.w3schools.com/xml/ref_xsl_el_variable.asp
<xsl:value-of>	Pulls values from a specific element/attribute		https://www.w3schools.com/xml/xsl_value_of.asp
<xsl:for-each>	Will loop through a specified xpath.	Can be combined with xsl:variable to create loops within loops get nested information from an XML.	https://www.w3schools.com/xml/xsl_for_each.asp
<xsl:choose> <xsl:when test="not(a)"> <xsl:text>TRUE</xsl:text> </xsl:when> <xsl:otherwise> <xsl:text>FALSE</xsl:text> </xsl:otherwise> </xsl:choose>	Logical test. When something equals the test, then another thing will happen. Otherwise, something else will happen.	Can use multiple when statements to test different things. Be aware if one of the when statements are met, the others after it will not be tested.	https://www.w3schools.com/xml/xsl_choose.asp