

Powershell-Bash Quick Reference Table

For more information, see: <http://wiki.installgentoo.com/index.php/Powershell>

Task	Bash Snippet	Powershell Equivalent
Create a file	<code>touch file.txt</code>	<code>New-Item -Type File file.txt</code>
Create a directory	<code>mkdir mydir/</code>	<code>mkdir mydir</code>
Copy a file	<code>cp ~/file.txt ~/file_copy.txt</code>	<code>cp ~/file.txt ~/file_copy.txt</code>
Copy a directory	<code>cp -r mydir myotherdir</code>	<code>cp -recurse mydir myotherdir</code>
Rename a file	<code>mv myfile.txt newfile.txt</code>	<code>Rename-Item myfile.txt newfile.txt</code>
Create a sequence of files	<code>for i in {1..10}; do touch "\$i.txt"; done</code>	<code>1..10 % { ni -type file "\$_.txt" }</code>
List only text files	<code>ls *.txt</code>	<code>ls ? Extension -eq ".txt"</code>
Change file extension	<code>for i in *.txt; do mv \$i \${i%.txt}.h ; done</code>	<code>ls ? Extension -eq ".txt" % { Rename-Item \$_ (\$_.BaseName + ".h") }</code>
Search for a file recursively	<code>find . -name "file.txt"</code>	<code>ls -recurse ? Name -eq "file.txt"</code>
Search for a string in a file	<code>grep "mystring" file.txt</code>	<code>select-string file.txt -Pattern "mystring"</code>
Search for a string recursively	<code>grep -e "mystring" -r .</code>	<code>ls -recurse % { select-string \$_ - Pattern "mystring" }</code>
Print file contents	<code>cat file.txt</code>	<code>Get-Content file.txt</code>
Concatenate files	<code>cat file1.txt file2.txt > result.txt</code>	<code>gc file1.txt file2.txt sc result.txt</code>
Get first 10 lines of file	<code>head -n 10 file.txt</code>	<code>gc file.txt select -first 10</code>
Get last 10 lines of file	<code>tail -n 10 file.txt</code>	<code>gc file.txt select -last 10</code>
Fetch web resource	<code>curl http://example.com/ex.png > ex.png</code>	<code>Invoke-WebRequest -URI http://example.com/ex.png -OutFile ex.png</code>
List system processes	<code>ps aux</code>	<code>Get-Process</code>
Kill process	<code>kill \$(pgrep firefox)</code>	<code>Get-Process -Name "firefox" Stop-Process</code>