Do Not Fear the Command Line

You're Smarter than It



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Trail blazer

Do Not Fear the Command Line You Are Smarter Than It

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Any Computer User You Want To Use Command Line You Are Not Sure Where to Start

Who are you?



Not an exhaustive "How To" How command line apps work Understand *what* you can do A Small Taste of Salesforce DX

What to Expect



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I'm using a Mac

Overview of Command Lines «—« How Commands Work More Powerful Stuff Salesforce CLIs Where To Go Next (git, npm, brew, grep)







This is my laptop. There are many like it, but this one is mine.



Pros



Low Resource Usage Concise and Powerful Expert Friendly Automate with Scripting Unintuitive Commands not Obvious Not Visually Rich Beginner Unfriendly

Pros and Cons of Command Lines



alesfoi

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A few obvious statements follow...





The command line is an app



The command line executes commands

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Commands are little apps

You write them instead of clicking on them.

Input (STDIN, FILE)

Output (STDOUT

How a command works



Add something here about STDERR

Input Output (STDIN, (STDOUT FILE) How a command works salesforce

0013000000rqYCC

CASESAFEID()

Sound familiar?





0013000000rqYCCAA2





Semicolon: Do one thing ; then do another

Μ







Pipe: Take the output from the first thing and send it to the second





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Redirect: Take the output from the first thing and write to a file (Careful...this wipes the previous contents of the file)



bash (Windows 10) cygwin cmd powershell

What if I'm using Windows?

AM



Demo

Files, Folders, Input, Output

AM





Create a shortcut for a more complicated command

s.

cat, head, tail

Meow... Just kidding...different ways to read a file

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dog

Just kidding...there is no dog...unless you make an alias called "dog"

Then dog does whatever you tell it to do...

...good dog







Not the loo... word count counts stuff





find

Look for files



grep

Search in files (global regular expression print)



sed

Modify data in a stream (stream editor)





alesfor

awk

Basic programming language for Unix systems (not an acronym, and not covering today...)

curl

Web request

(Windows has iwr)

AM


Demo

cat, head, tail, wc, grep, sed

AM



Overview of Command Lines How Commands Work More Powerful Stuff Salesforce CLIs ← ≪ Where To Go Next

> curl

https://blixtar-dev-ed.my.salesforce.com/services/data/v39.0/query?q=SELECT +Id,Name+FROM+Account+LIMIT+1 -H 'Authorization: Bearer 00D24000000IwtW!AQ4AQMiGG9NfUIO5njwZpODWCazHSUFRgM26oIREehLfu9 GPqq1JWSTxwUfgncjdET.13_G0dPm5SobOPuj_F0.vvIU9Ih44'

{"totalSize":1,"done":true,"records":[{"attributes":{"type":"Account","url":"/service s/data/v39.0/sobjects/Account/001240000050EByAAM"},"Id":"001240000050 EByAAM","Name":"DVLA"}]}

The trouble with curl

Salesforce DX CLI

CLI for accessing Salesforce APIs





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force-cli

Open source CLI project

To be superseded by Salesforce DX CLI



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Lightning CLI

Static Code Analysis for Lightning Components

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Heroku CLI

Formerly Heroku toolbelt

Now a part of Salesforce DX CLI





Demo

Files, Folders, Input, Output

AM

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Overview of Command Lines How Commands Work More Powerful Stuff Salesforce CLIs Where To Go Next ←—≪

Windows is case insensitive Unix file permissions sudo versus Run As Administrator

Mac/Unix v Windows



Powershell, CMD, cygwin (Windows shells) Z shell (popular powerful Unix shell) Package managers (brew, chocolatey, npm) Automating (cron, shell scripts) Source Control (git) Task Runners (gulp, grunt, ...) awk (Unix programming language) **REPLs** (interactive mode programming)

All the other stuff



Brief History of Command Lines http://bit.ly/brief-history-cmd-lines

Windows and Unix Command Line Equivalents: http://bit.ly/win2unixcmd

My Stuff:

slideshare.net/chittum

salesforce.quip.com/rFA0Af9rhUza



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Madrid 1st June 2017



Thank You















Q & A

Remember to tell us what you think in the event survey www.LondonsCalling.net/survey/

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Thank You

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