Module 4 - Observability and Concepts

Module 4 Cheatsheet: Observability and Concepts

Package/Method	Description	Code Example
bash	Bash, or the Bourne Again Shell command, is a command-line interpreter commonly used in Unix-based operating systems. It runs in a text window where the user can interpret commands to carry out various actions.	Example: This generates a list of numbers and prints them: #!/bin/bash # Loop from 1 to 3 and print the numbers for i in {1..3}; do echo "Number: $i" done
opentelemetry-bootstrap	This commands inspects the active Python site-packages and figures out which instrumentation packages the user might want to install.	opentelemetry-bootstrap -a install
opentelemetry-distro	They include a means to automatically set some of the more popular options for users in order to make using OpenTelemetry and auto-instrumentation as quick as possible without compromising flexibility.	pip install opentelemetry-distro
opentelemetry-instrument	The instrument command will try to automatically detect packages used by your python program and when possible, apply automatic tracing instrumentation on them.	opentelemetry-instrument \ --traces_exporter console \ --metrics_exporter console \ --logs_exporter console \ flask run -p 8080
pip	To make sure that requests will function, the pip programme searches for the package in the Python Package Index (PyPI), resolves any dependencies, and installs everything in your current Python environment.	pip list
pip install	The pip install <package> command looks for the latest version of the package and installs it.	pip install example_package
source virtualenv	Activate the virtual environment	source myenv/bin/activate
touch	It can create multiple files and updates the modified time if files exist.	touch [OPTIONS] FILENAME
virtualenv	It is primarily a command line application, that modifies the environment variables in a shell to create an isolated Python environment.	pip install virtualenv virtualenv myenv