Statement of direction: IBM intends to use open source Zowe technology from the Open Mainframe Project to simplify and speed application development, deployment, and operations on IBM z/OS operating system

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Overview

IBM[R] intends to exploit Zowe technology in future development of its extensive IBM z/OS[R] software portfolio to improve ease of use and provide flexibility to integrate z/OS offerings across a broad range of solutions from IBM, ISVs, and Cloud Service providers and open source technology.

As IBM is a founding member of the Linux[R] Foundation collaborative project (Open Mainframe Project) and a major contributor of source code to the Zowe project, IBM intends to deliver new innovative capabilities and offerings to ensure that future generations of developers and administrators can embrace the IBM Z[R] platform for both current and future workloads.

Zowe, an open, extensible framework of software services, enables the delivery of the next generation of z/OS operating system user experience that is easy to learn and flexible to integrate within enterprises and hybrid cloud environments. Zowe is comprised of four core components:

- A native and extensible z/OS web user interface
- A scriptable command line for z/OS services
- Extensions to the native z/OS REST[I] APIs and API Mediation Layer
- A REST API catalog that includes access security technology

As a simple, intuitive environment, IBM intends to use Zowe capabilities to:

- Enable a wide variety of IT professionals to perform development, test, operation, and administration tasks for z/OS.
- Modernize the user experience of z/OS through product offerings to provide access consistent with cloud interfaces today.
- Radically reduce the learning curve for the next generation of operators and system administrators, while making experienced professionals more efficient.

[I] Representational State Transfer

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