PopUp Mainframe X Edition

PopUp Mainframe X Edition delivers mainframe change faster and more cost effectively than ever by providing mainframe delivery teams with an immediately available, fully functioning mainframe environment on x86 commodity hardware.

By providing low-cost, on-demand environments, PopUp Mainframe revolutionizes mainframe delivery on-prem or in the cloud for non-production workloads.

Product Highlights

Many of the world's most successful organizations rely on the IBM mainframe as an enterprise production server. However, mainframe organizations struggle with disparate teams, a high cost of change, and inefficient processes, often compounded by operational and organizational silos. The resulting bottlenecks hamper the timely delivery of vital business change.

PopUp Mainframe delivers mainframe change faster and more cost effectively than ever. Our solution provides mainframe development teams with an immediately available, fully functioning mainframe environment. The product behaves the same as physical mainframe environments, and supports all mainframe subsystem applications, data stores and 3rd party development tools, enabling teams to accelerate innovation and business change.

PopUp Mainframe revolutionizes mainframe delivery by removing the most commonplace of challenges – delivery bottlenecks - and dramatically reduces the cost of change.

Key Benefits

Removing delivery bottlenecks enables mainframe organizations to realize significant benefits through the PopUp Mainframe solution:

Reduce the Cost of Critical System Change.

PopUp Mainframe empowers an organization to achieve low-risk, cost-efficient process improvement

- Run mainframe development and test environments on low-cost x86 commodity hardware (including cloud platforms)
- Turn off mainframe environments when not needed, saving costs, energy and emissions
- Drastically reduce the cost and effort associated with mainframe-related R&D and training activities
- Reduce staffing costs through pre-configured integrations with various IDE-based tools, enabling inexperienced team members to be effective on day one

Deliver Mainframe Change Faster Than Ever.

PopUp Mainframe revolutionizes mainframe availability to dramatically accelerate delivery cycles

- Stand up mainframe environments whenever needed to accelerate delivery times
- Initiate on-demand virtual mainframe environments in minutes, not weeks
- Accelerate deliveries using always-on mainframe DevOps processes
- Utilize your own preferred tooling—whenever you need—to increase delivery velocity

Key Product Specifications:

- Supports: z/OS 2.4 or later
- Runs on: Red Hat Enterprise Linux 7 or later
- Image Type: Azure cloud image through Azure Marketplace, or on-prem image
- Subsystem Support: ANY subsystem which runs on z/OS is supported

3rd Party Technologies Included:

- IBM zD&T 14
- Open-source tools: Galasa, IMON, Showzos
- IBM Build and Deploy automation tools - DBB and Wazi Deploy (Option)
- BMC AMI Dev X tools (Option)
- Mainframe Data Masking Technology (Option)

Certified against:

- Perforce Delphix Continuous Compliance and Continuous Data

Product Features Included:

- Sample application with fully automated build and deployment pipelines – to help jumpstart your Z automation journey
- GitSync tool to enable easy import of all Z code into Git, along with version history
- DASD volume creation and other tools to optimize/streamline management of your PopUp Mainframe product
- Data Migration utility drastically simplifies and accelerates transfer of data between the physical mainframe and the PopUp Mainframe product
- Mainframe masking plugin for Perforce Delphix and eXate, which enable masking capabilities for all mainframe file types, including fixed length files, variable length files, and IMS databases (Option)
- Easily Bookmark, Rewind, and Fast-Forward PopUp Mainframe Images (Option)

Tackle Changing Demands with Unprecedented Flexibility.

PopUp Mainframe's flexible, dynamic environment provides mainframe teams the freedom to innovate in a way that makes sense for their organization

- Use instantly available mainframe resources to support changing delivery requirements
- Empower innovation by enabling technical teams with an on-demand mainframe environment
- Empower a new mainframe workforce with familiar, modern tooling in an easy-access environment that can be utilized for development, testing, R&D, and employee training

Retain Control of Core Processes.

PopUp Mainframe helps ensure organizational best-practice, compliance and risk management requirements are retained and supported

- Ensure appropriate governance and integrity with industrial strength, enterprise-wide data masking
- Fully integrate with established mainframe and DevOps processes, tools and controls

Deliver On Green IT Objectives.

PopUp Mainframe offers organizations a path towards even greener IT provision.

- Remove the need for additional infrastructure investment and energy consumption, by reusing existing data centre or cloud resources
- Maximize energy efficient mainframe resources (defer additional power requirements through efficient scheduling of production workload)
- Reduce your energy footprint by only running machinery when needed

Key Features

Spin Up and Shutdown in seconds
Standing up and shutting down a PopUp Mainframe environment is immediate and easy.

PopUp Mainframe X Edition deploys mainframe environments on x86 servers or cloud platforms quickly, using preconfigured IBM ZD&T images. It offers an instantly available environment for activities such as R&D, coding, CI/CD, new release testing, and staff training, avoiding reliance on physical mainframe resources. Third party tool integrations streamline workflows, boosting development speed and cutting costs.

Functional Equivalency to a z16
PopUp Mainframe provides 100% functional equivalence with the mainframe. It runs on the same codebase as a z16 mainframe and behaves just like a standard z/OS LPAR environment, supporting all sub-systems (CICS, Db2, IMS, JCL etc.). Fundamentally, anything you can do on the mainframe for non-production activities, you are able to do in PopUp Mainframe.

Data Masking and Governance
With PopUp Mainframe, data management can be efficiently achieved, masking sensitive production data across all types (Db2, QSAM, VSAM, IMS). You can spin up virtual, sanitised, compliant PopUp Mainframe images on prem or on cloud, via a simple self-service console. PopUp Mainframe accelerates fully tested, compliant mainframe deliveries.

DevOps Toolchain Integration
PopUp Mainframe supports and integrates with a variety of popular mainframe DevOps tools to help accelerate modern mainframe application development. Pick from your preference of BMC, IBM, or open-source tools – or a combination – to include PopUp Mainframe as a cornerstone capability in your modern mainframe DevOps and delivery toolchain.

PopUp Mainframe additionally includes extensive Git integration and utilities to migrate to Git.

Cloud/Commodity Deployment
PopUp Mainframe uses commodity X86 architecture platforms such as cloud to provide a cost-effective, flexible environment for supporting non-production activities. This model blends the robustness of mainframe delivery processes with the flexibility of a cloud infrastructure.

Ease of Access
PopUp Mainframe democratizes access with both traditional 'green screen' interfaces and modern IDE tools like Eclipse and VS Code. All developers can code, test, and debug z/OS apps on virtual instances, boosting productivity without needing deep mainframe expertise.

For more information, please refer to the product Release Notes on our web site:

www.popup-mainframe.com

PopUp Mainframe - Deliver Mainframe Change Faster and More Cost Effectively Than Ever

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