

Message Event Automation Leveraging the VM Programmable Operator

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- Demonstration Hosting Site courtesy of:

Innovation Data Processing

The makers of FDRPASVM, the only commercial solution capable of providing non-disruptive, relocation / migration of live running z/VM and Linux on z DASD

What is VM PROP

VM Programmable Operator is a framework for building automated responses to message events occurring on zVM images.

A message event is the occurrence of any unsolicited message that has been directed to the OPERATOR virtual machine.

Basic Requirements

- Build a Message Routing Table
- Create a Logical Operator
- Establish policy for handling message events
- Start PROP

Nice to Consider

- Secondary Console Image Facility (SCIF) from Service Machines and zLinux guests
- Authorized users list for restricted commands
- Any sensitive CP commands can be executed by the OPERATOR on requestor's behalf
- CRON type facility directs TOD commands to the OPERATOR

Enhancements

- Real-Time viewer for the Operator Console
- Use of PerfKit for rolling VM Master Console at the Logical Operator
- Archiving and Retrieval of full message traffic
- Subsetting of console traffic for Guests
- Scrolling capability

Demonstration

The image shows two overlapping terminal windows, S1 and S2, both titled "CULLPROG - BlueZone Mainframe Display". Both windows display the same content: "z/VM ONLINE" at the top, followed by a logo for "Innovation Data Processing". The logo consists of a stylized 'Z' shape formed by the characters 'W', 'V', 'M', and 'MM'. Below the logo, it says "built on IBM Virtualization Technology". At the bottom of each window, there is a login prompt: "Fill in your USERID and PASSWORD and press ENTER (Your password will not appear when you type it)", followed by "USERID ==>", "PASSWORD ==>", and "COMMAND ==>".

Window S1: S1 - CULLPROG - BlueZone Mainframe Display. Status bar: S1 | Ready (5) | 192.168.250.12 | TN3270 | vm62prod

Window S2: S2 - CULLPROG - BlueZone Mainframe Display. Status bar: S2 | Ready (5) | 192.168.250.12 | TN3270 | RUNNING | ZVMV6R3V | 39.017

Benefits

- OPERATOR runs in a disconnected state
- No clearing of ...MORE or ...HOLDING
- VM PROP provides measure of security
- Operational Focal Point of Control
- Multiple users can view current OPERATOR console, both locally and remote
- All requests/responses are logged & auditable
- Message automation continues to evolve