

IBM Wave for z/VM

Simplified Virtualization Management for Linux on Z IBM Wave for z/VM V1.2

IBM Wave for z/VM® (IBM Wave) allows IT organizations and service providers to simplify administration and operations of virtualized Linux® servers running on IBM Z® and IBM LinuxONE™. With a content-rich, intelligent interface for managing z/VM and Linux virtual servers, IBM Wave is designed to simplify administration, configuration, management and bolster productivity. IBM Wave leverages existing skills, shields complexity and enables you to easily manage highly virtualized infrastructures through an intuitive user interface.

IBM Wave for z/VM can help simplify everyday administrative and configuration tasks and speed your journey to a virtualized Linux on z/VM cloud.

With IBM Wave you can administer and manage Linux virtual servers on z/VM from the convenience of one screen. Using IBM Wave, you can automate repeatable tasks using only a few clicks, improve quality and optimize productivity. Simplify administration and management of Linux virtual servers, so you can direct staff time to your most critical tasks.

Benefits

- Simplify administrative tasks with intelligent visualization and management
- Improve quality through automation
- Help less experienced staff manage complex z/VM and Linux environments
- Identify, group, manage and display resources easily using content-rich icons
- View overall performance at a glance
- Clone Linux guests on z/VM, provision Linux servers and virtual resources
- Provide flexible reporting and drill down
- Use comprehensive logging capabilities
- Authorize users for permissions and scope

Requirements

IBM servers supported:

IBM z14™ all models,

IBM z13®, IBM z13s™

IBM zEnterprise® EC12 (zEC12),

IBM zEnterprise BC12 (zBC12)

IBM LinuxONE™ Emperor™ II

IBM LinuxONE Emperor

IBM LinuxONE Rockhopper™ II

IBM LinuxONE Rockhopper

IBM zEnterprise 196 (z196), IBM zEnterprise 114 (z114)

IBM System z10® Enterprise Class (z10 EC™),
IBM System z10 Business Class™ (z10 BC™)

IBM LinuxONE Server: IBM Wave is included with the IBM LinuxONE Server. It offers a Linux-ready solution that combines an industry-leading IBM LinuxONE server, IBM z/VM and IBM Wave for extreme server consolidation and scale.

Software requirements:

- Operating systems supported:
 - z/VM 6.4, z/VM V6.3, z/VM V6.2 or z/VM V5.4 (only z/VM 6.4 is in service)
- Directory Maintenance Facility (DirMaint™) or equivalent systems management

- Performance Toolkit for VM™ (optional)
- IBM Wave Server: Red Hat Enterprise Linux (RHEL) 6, 7 or SUSE Linux Enterprise Server (SLES) 11,
- IBM Wave UI client:
 - Microsoft® Windows® 7 or 10 with Java™ V1.7 or V1.8, 64-bit
 - IP access to managed z/VM Systems and to the IBM Wave WAVESRV server

Description

IBM Wave can manage z/VM and currently supported Linux on IBM Z and LinuxONE distributions, including RHEL 6, and 7, SLES 11 and 12, and Ubuntu 16.04.

It offers the following capabilities:

Easy Provisioning:

- Bare Metal Install support
- Provision guests, network, and storage
- Capture and clone virtual servers across enterprise-wide LPARs and CPCs
- Activate and deactivate z/VM guests
- Create and configure virtual switches (VSWITCHes) and VLANs
- Provide storage management and provisioning for z/VM and Linux guests
- Run shell scripts or REXX™ EXECs from the user interface for advanced provisioning

Intelligent visualization:

- Use a rich user interface for flexible grouping of managed resources
- Quickly manage resources with meaningful icons containing vital system information
- Attach virtual "messages" to managed resources to advise of important notices
- Gain an accurate representation of your environment with agentless and efficient discovery
- Visualize your environment; group and filter resources; use convenient drag and drop interface; draw connections visually

Management and configuration:

- Manage workloads across CPCs and LPARs from a single dashboard
- Discover and manage z/VM resources across the enterprise
- Perform Live Guest Relocation with only a few mouse clicks
- Define and connect network devices such as VSWITCHes and guest LANs
- Manage FCP SCSI-only environments using EDEVs
- Perform on demand management reporting with customized data
- Monitor z/VM and Linux guest performance

Administration:

- Administer z/VM guests, storage, networks and connections
- Manage account assignment to guests
- Manage resources and guests using meaningful tags and user-defined names
- Use role-based management
- Set security scope and permissions
- Use logs for audit purposes
- Integrate with your LDAP configuration

Who Benefits?

- IT administrators and operators needing more intuitive resource management
- Organizations needing to extend their existing administrative skills
- IT managers looking to reduce the time and cost of administration
- Linux or VM programmers or administrators wanting more self service
- Service providers looking to further automate administrative tasks

Learn more about IBM Wave for z/VM at <https://www.ibm.com/marketplace/wave-for-zvm>