

Bare-Metal Infrastructure

[Go up to Terms and Definitions](#)

Discussion

Bare-Metal Infrastructure consists of physical computing resources on which an operating system, platform, or workload operates without an intervening server-virtualization hypervisor.

Bare-Metal Infrastructure can include:

- Physical servers
- Processors and memory
- Local and attached storage
- Physical network interfaces
- Network switches and supporting network services
- Hardware security devices
- Accelerators and specialized processing devices
- Firmware and hardware-management interfaces

Bare-Metal Infrastructure can exist within an organization-controlled data center, colocation facility, edge location, laboratory, secure facility, or Cloud Provider environment.

Within Crucible, Bare-Metal Infrastructure can serve as a [Deployment Platform](#) on which Crucible provisions operating systems, platform software, security controls, compliance controls, and supporting services directly onto physical computing resources.

Definition

physical computing infrastructure on which an operating system, platform, or workload operates without an intervening server-virtualization hypervisor

Source

- [IBM, Bare Metal Server Options](#)
- [IBM, What Is a Bare-Metal Server?](#)

Note

Bare-Metal Infrastructure does not necessarily mean infrastructure located on premises. A Cloud Provider can provide dedicated bare-metal servers as a managed or on-demand service.

The absence of a server-virtualization hypervisor does not prohibit container runtimes, operating-

system virtualization, orchestration platforms, hardware-management controllers, or other software layers.

Bare-Metal Infrastructure can host Red Hat OpenShift Container Platform or another platform layer.

Example

Crucible provisions an approved operating-system image, network configuration, storage configuration, security controls, compliance controls, and platform services directly onto a physical server without first creating a virtual machine.

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:
https://wiki.didosolutions.com/dido/99_annexes/annex-b-terms-and-definitions/b/bare-metal_infrastructure

Last update: **2026/07/22 12:53**

