Bastion Host

Overview

The Jio Bastion Host acts as a secure gateway between external and private networks, offering a single, hardened entry point for administrative access. It eliminates the need to expose servers or systems directly to the internet, significantly reducing vulnerabilities. By filtering all administrative traffic through this controlled access point, Bastion provides centralised management, comprehensive auditing, and multi-factor authentication, ensuring every session is secure and accountable. This managed service simplifies remote infrastructure management, offering IT teams a safe, monitored, and policy-driven environment to operate critical workloads.

Key Features

- **Secure remote access**
  Provides a hardened single point of entry to internal systems and servers.

- **Centralised gateway**
  Consolidates all administrative sessions through one managed interface.

- **Strong authentication**
  Supports Multi-Factor Authentication (MFA) for verified access.

- **Comprehensive logging**
  Captures all logins, commands, and actions for audit and compliance.

- **Role-based access control (RBAC)**
  Enables precise access permissions per role or user group.

- **Real-tme monitoring**
  Offers live visibility into active sessions for immediate response.

- **Scalable Ddeployment**
  Available in flexible VM configurations (2 vCPU / 4–16 GB RAM).

- **Fully managed service:**
  Jio manages updates, patching, and monitoring to reduce operational load.

Benefits

- **Secure administrative access**
  Manage private resources safely without internet exposure.

- **Reduced risk**
  Direct all remote access through a single, audited, and hardened gateway.

- **Stronger protection**
  MFA and RBAC prevent privilege misuse and unauthorised entry.

- **Simplified oversight**
  Centralised visibility and control streamline access governance.

- **Improved compliance**
  Detailed session logs meet regulatory and audit requirements.

- **Cost-effective security**
  Enhance protection without major infrastructure spend.

Use Cases

- **Challenge**
  A bank needed secure admin access to its private cloud servers without exposing them online.
  Direct SSH access was risky, auditing was weak, and compliance required detailed logs.

- **Solution**
  Jio Bastion was deployed as a centralized gateway with MFA, role-based access, and full session logging.

- **Result**
  By deploying Jio Bastion Host, the enterprise achieved stronger security and operational efficiency.
  Servers were completely isolated from the public internet, full audit trails ensured compliance readiness, troubleshooting became faster and more secure, and centralized control significantly reduced administrative effort.