Bastion Host

Product Introduction

Product Documentation

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Product Introduction
Overview

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Overview

Bastion Host (BH) is a centralized Ops management system integrating account, authorization, and authentication management and comprehensive audit. It provides IT asset access proxy and smart operation audit services and establishes a comprehensive security management system covering pre-event prevention, mid-event monitoring, and post-event audit. In addition, it can promptly trigger alarms for abnormal behaviors to prevent internal data leakage and help enterprises pass the CCP evaluation.
BH features:
A centralized management platform for you to reduce your system maintenance workload.
Comprehensive user and resource management for you to reduce your maintenance costs.
Strict resource access policies and strong authentication means to fully secure your system resources.
Detailed records of user access to and operations on resources for user behavior audit.

Features

BH audits a variety of mainstream Ops protocols and keeps detailed records of server and OS Ops to ensure that your security issues can be effectively traced.

Authentication management

BH provides differentiated authentication methods according to different needs. It supports the basic static password method and can integrate existing authentication methods (such as LDAP). It also supports two-factor authentication for higher security and unified authentication management.

Authorization management

BH centrally manages and controls user permissions to access assets. It controls not only asset access permissions but also operation commands, clipboards, and file transfers at a fine granularity. Its authorization is based on the principle of least privilege, which grants users the minimum level of permissions to access an asset and complete a task.

Asset access

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BH supports the account and password for managed IT assets to allow for SSO login by Ops engineers to the target assets for Ops operations. Therefore, Ops engineers only need to remember their BH account and password but not all the asset accounts and passwords.

Operation audit

BH records and analyzes all user operation logs. It monitors user behaviors while performing data mining through centralized audit data for easier post-event traceability and identification of liability.

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Strengths

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Comprehensive Asset Management

BH supports the unified management of both offline and cross-cloud assets on mainstream Linux, Windows, and MySQL versions to effectively assist admins with security Ops.

Fine-Grained Permission Control

BH supports authorization at fine granularities such as user, asset, account, and operation to ensure that users have only the least privileges to access assets and complete tasks on an as-needed basis.

Excellent Ops Experience

BH supports various mainstream Ops client tools and is perfectly compatible with Windows and macOS terminals. This means Ops engineers don't need to change their operating habits during work.

Ops Operation Audit

BH audits server access operation commands, transferred files, and Ops processes of engineers to implement effective traceability of security incidents.

Unified Ops Entry

BH acts as a unified entry for internal asset management and maintenance, eliminating the need to remember multiple addresses, accounts, and passwords.

Exception and Risk Alarming

BH analyzes events by time, command statement, upload/download operation, access IP, server, and username to filter abnormal behaviors and trigger alarms accordingly. This effectively prevents internal malicious events.

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Scenarios

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Internet+ Business

As there are many internet+ business resources in the cloud, and a large number of Ops services are exposed to the public network, these services are highly public and prone to external attacks.
To secure the remote Ops of business resources, BH hides the real Ops port and management account. It also provides the routine audit of cloud server Ops and sorts out bad Ops habits through the Ops rule library to reduce Ops incidents, allowing business systems to run stably in the long term.

Enterprise

Enterprises usually have a large amount of sensitive information such as business data. This information has industry value and is prone to leakage.
BH implements fine-grained permission assignment by account and position to ensure that Ops engineers cannot perform unauthorized operations.

Finance

The financial industry has a large amount of financial and personal data and a large number of third-party Ops partners. One of the problems that financial enterprises need to focus on is whether their Ops partners are being compliant.
BH implements fine-grained authorization control by account and position and strictly complies with position specifications to prevent unauthorized operations by Ops engineers. It uses the AI engine for in-depth analysis of Ops behaviors to dig out internal abnormal operations and prevent the illegal use of financial data.

Government Affairs and Public Services

Internet-based government affairs and public services require a large number of third-party organizations to support their construction and Ops.
BH divides the rights and responsibilities between Ops and management and traces Ops problems through operation audit to ensure accountability for security incidents. It can thoroughly analyze Ops behaviors through the AI engine to

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dig out internal abnormal operations and issue alerts for the leakage of public services and government affairs data (such as healthcare, education, social security, and tax).

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Differences between SaaS BH Standard Edition and Pro Edition

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This document describes the differences between the Standard and Pro Editions of SaaS BH.

- Pro Edition: Suitable for enterprises with database asset management or Ops efficiency improvement needs.
- Standard Edition: Suitable for SMEs with basic CVM Ops and audit needs.

Features

Feature	Description	Standard Edition	Pro Edition
Asset management	Supports database asset management.	×	✔
	Supports server asset management.	✔	✔
Automatic Ops	Supports batch operations on multiple servers to improve the Ops efficiency.	×	✔
Operation audit	Supports database operation logging.	×	✔
	Supports server Ops operation logging.	✔	✔
	Supports file transfer operation logging.	✔	✔

Standard Bandwidth Configuration

Specifications	Standard Edition	Pro Edition
50 assets, 100 assets, and 200 assets	8 Mbps	16 Mbps
500 assets, 1,000 assets, and 2,000 assets	16 Mbps	32 Mbps
5,000 assets and 10,000 assets	32 Mbps	64 Mbps

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