

# BUFFERZONE® Management Server (BZMS)

## Introducing the BUFFERZONE Management Server

The **BUFFERZONE Management Server (BZMS)** provides visibility into enterprise endpoints and enables easily managing endpoint BUFFERZONE agents throughout the organization. With BZMS you can distribute and assign organizational policy to agents by endpoint identity and/or user identity.

The BUFFERZONE agent (see separate data sheet) is an advanced isolation and containment solution for endpoint protection. Browsing sessions that access external, untrusted content such as unknown internet sites are kept in a virtual container, protecting trusted resources from any potential threats.

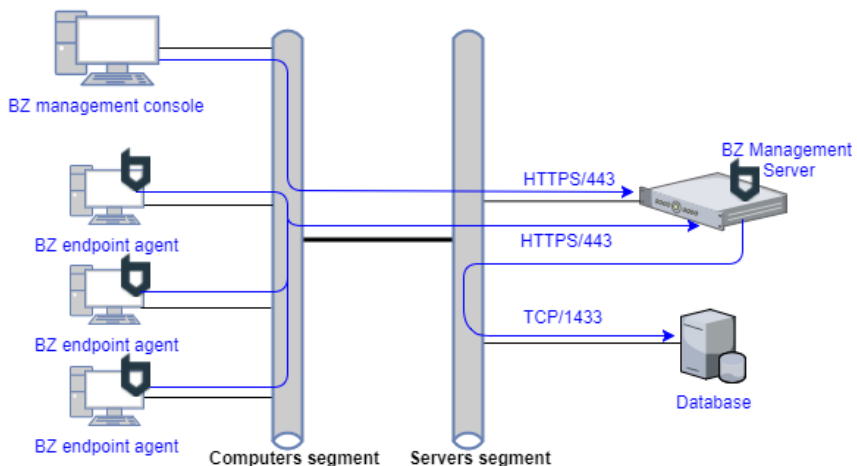
## Centralized, Policy-Based Management

For centralized containment policy management and agent deployment, you can integrate BUFFERZONE with existing endpoint management systems (for example, McAfee ePO); For complete management capabilities, use the BUFFERZONE Management Server (BZMS) to manage BUFFERZONE agents across your organizational network, to gain visibility to relevant organizational endpoints, and to assign organizational policy by endpoint and/or user.

## System Architecture

BZMS uses an MS SQL Server database, which is usually recommended to be on a separate host from BZMS itself.

Communications between BUFFERZONE agents and BZMS are secured (HTTPS) and authenticated by certificate and endpoint UID. Console communication is configurable to be by HTTP or by HTTPS; the port number is also configurable.



## Managing BZMS

For administering BZMS, you can authorize locally-configured user accounts and/or user groups from the organizational Active Directory. User and group authorization is role-based, with several levels of permission sets.

BZMS can be deployed in MSSP mode, enabling centralized management of multiple organizational deployments.

## Key Features

The BUFFERZONE Management Server (BZMS) features:

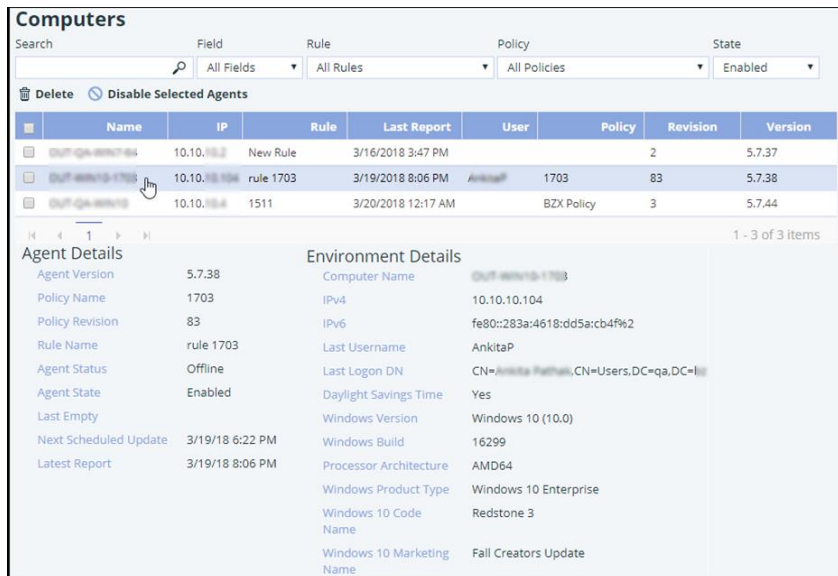
- Central agent distribution and tracking
- Central containment policy configuration
- Central policy assignment by endpoint / user
- Web-based console
- MSSP mode
- Role-base local and Active Directory-based user and group authorization
- Logging, including to Syslog server

## System Requirements

- **CPUs:** 4
- **RAM:** 8GB
- **OS:** Windows Server 2012 (recommended: R2), or above
- **Database:** SQL Server 2008 R2 (recommended: 2012) SP3, or above

## Endpoint Visibility

BZMS provides detailed visibility into agent endpoints:



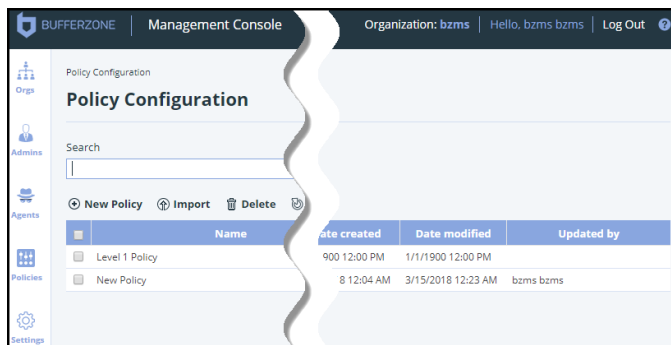
Name	IP	Rule	Last Report	User	Policy	Revision	Version
OUT-QA-8887-85	10.10.10.2	New Rule	3/16/2018 3:47 PM			2	5.7.37
OUT-QA-8887-1703	10.10.10.104	rule 1703	3/19/2018 8:06 PM	AnkitaP	1703	83	5.7.38
OUT-QA-8887-1511	10.10.10.4	1511	3/20/2018 12:17 AM		BZX Policy	3	5.7.44

Agent Details		Environment Details	
Agent Version	5.7.38	Computer Name	OUT-QA-8887-1703
Policy Name	1703	IPv4	10.10.10.104
Policy Revision	83	IPv6	fe80::283a:4618:dd5a:cb4f%2
Rule Name	rule 1703	Last Username	AnkitaP
Agent Status	Offline	Last Logon DN	CN=Ankita Pathak,CN=Users,DC=qa,DC=...
Agent State	Enabled	Daylight Savings Time	Yes
Last Empty		Windows Version	Windows 10 (10.0)
Next Scheduled Update	3/19/18 6:22 PM	Windows Build	16299
Latest Report	3/19/18 8:06 PM	Processor Architecture	AMD64
		Windows Product Type	Windows 10 Enterprise
		Windows 10 Code Name	Redstone 3
		Windows 10 Marketing Name	Fall Creators Update

## Policy Configuration & Assignment

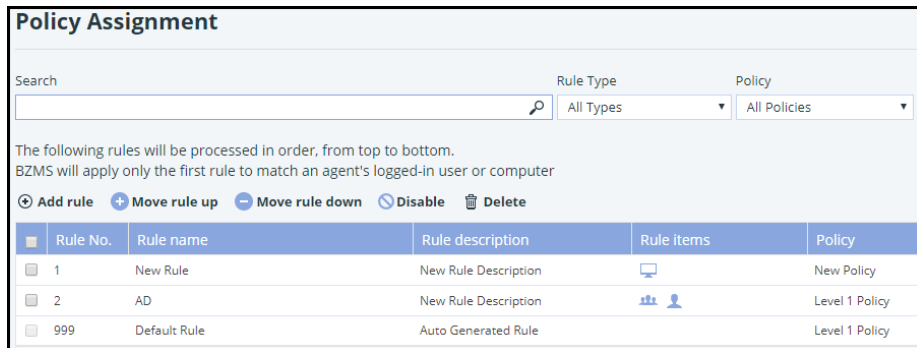
BZMS enables configuring multiple policies for assignment to different endpoint and user groups:



Name	Date created	Date modified	Updated by
Level 1 Policy	9:00 12:00 PM	1/1/1900 12:00 PM	
New Policy	8 12:04 AM	3/15/2018 12:23 AM	bzms bzms

BZMS enables flexible and powerful policy assignment. In BZMS, you assign configured policies according to a set of configurable rules. Each rule assigns a specified policy to endpoint agents that match a set of specified conditions. Rules are processed in order, from top to bottom, and BZMS applies only the first rule to match an agent's logged-in user or computer. Available rule conditions are users and user groups (from organizational Active Directory), and known agent computers.

Agents periodically send updated user information to BZMS, upon which BZMS queries the organizational directory for current groups and recalculates policy assignment.



Rule No.	Rule name	Rule description	Rule items	Policy
1	New Rule	New Rule Description	Computer	New Policy
2	AD	New Rule Description	User	Level 1 Policy
999	Default Rule	Auto Generated Rule		Level 1 Policy