

# Privileged Access 16.1 Available Features

## Features for Access Console Users

Feature Name	Description	
	Endpoint	Access Console
<b>Multi-Platform Support</b>		
<b>Windows</b>	Windows XP Pro SP3 Windows XP Home SP3 Windows Vista SP2 Windows Server 2003 SP2 and R2 Windows Server 2008 SP2 and R2 Windows 7 SP1 VDI - Windows 7 SP1 Windows POSReady 7 Windows 8 and 8.1 Windows 10 Windows Surface Pro 3 Windows Server 2012 and 2012 R2	Windows XP Pro SP3 Windows Vista SP2 Windows Server 2003 SP2 and R2 Windows Server 2008 SP2 and R2 Windows 7 SP1 VDI - Windows 7 SP1 Windows 8 and 8.1 Windows 10 Windows Surface Pro 3 Windows Server 2012 and 2012 R2
<b>Mac OS X</b>	OS X 10.7 - 10.11	OS X 10.7 - 10.11
<b>Linux</b>	Fedora 22 and 23 RedHat Enterprise 6 - 7 SLED 11 SP4 and 12 SLES 10 SP4, 11 SP4, and 12 Ubuntu 14.04.1 LTS, 15.04, and 15.1.0	Fedora 22 and 23 RedHat Enterprise 6 - 7 SLED 11 SP4 and 12 SLES 10 SP4, 11 SP4, and 12 Ubuntu 15.04 and 15.1.0
<b>Mobile Devices</b>	N/A	Apple iOS 8.0+ (iPhone, iPad, iPod touch)
	N/A	Android 4.0+ (Phone) Android 3.0+ (Tablet) Android Dell 3000 4.0+ Android HTC 4.0+ Android Samsung 2.3+ (Phone/Tablet)
<b>Virtual Machines</b>	N/A	Citrix XenDesktop 7 (Windows 7) VMWare Horizon 6 (Windows 7) Citrix XenApp 7.5 (Windows Server 2008)
<b>Virtual Appliances</b>	vSphere 6.0 Hyper-V Server 2012 R2 <b>New</b> Windows Server 2012 R2 with Hyper-V role enabled <b>New</b>	
<b>Unattended Systems</b>	Laptops, Desktops, Servers, ATMs, Kiosks, POS Systems, etc.	
<b>Cloud Access Controls</b>	Securely connect to and manage your cloud infrastructure, including Windows, RedHat, CentOS, and Ubuntu Linux VMs powered by AWS, Azure, VMware, and other IaaS providers. Headless Linux configurations are also supported.	
<b>Network Devices</b>	Routers, Switches and Devices via SSH/Telnet	
<b>Multi-Language Support</b>	View Bomgar applications and interfaces in English, Dutch, French, German, and Italian. Bomgar supports international character sets.	

Feature Name	Description
<b>Access Console Toolset</b>	Use advanced access tools to interact with remote systems.
<b>3D Touch Support for iOS New</b>	The Bomgar mobile access console uses iOS 3D Touch Support capabilities offered by the iPhone 6S and 6S Plus devices to start sessions faster and more efficiently. By tapping and holding the Bomgar Access Console icon on your iOS device, you can quickly access the three most viewed Jump Items, and you can seamlessly transition between active sessions.
<b>Access Console</b>	Access remote endpoints by connecting to them through the Bomgar Appliance.
<b>Advanced Web Access New</b>	Advanced Web Access enables administrators to appropriately manage privileged access controls over assets that utilize modern web technology in a secure, scalable, and controlled manner. The auditing capability gives your organization the visibility it needs to adhere to both internal security policies and any applicable industry compliance requirements.
<b>Annotations</b>	While screen sharing, use annotation tools to draw on the remote screen. Drawing tools, including a free-form pen and scalable shapes, can aid in collaborating with other users.
<b>Automatic Elevation Service</b>	Pre-deploy the elevation service to automatically elevate the Bomgar endpoint client. This saves time in each session and enables users to perform certain administrative tasks (via special actions and canned scripts) on remote systems without giving full admin rights to each user. It also allows you to leverage the Bomgar Smart Card driver so that admin tasks can be performed with the user's privileged account.
<b>Bomgar Access Extender New</b>	Bomgar Protocol Tunneling extends the remote connectivity and auditing capabilities of proprietary and/or 3rd party applications, such as integration control systems or custom database tools. Bomgar simplifies this complex task into a consumable process that removes the need for an intricate VPN solution.
<b>Bomgar SUDO Manager New</b>	Shell Jump credential injection can be used in conjunction with SUDO.
<b>Canned Scripts</b>	Use pre-written scripts from either the Command Shell interface or the Screen Sharing interface, increasing session effectiveness.
<b>Command Shell</b>	Directly access the command shell for system diagnostics, network troubleshooting, or low-bandwidth access, without screen sharing.
<b>Credential Injection</b>	When accessing a Windows-based Jump Client, perform credential injection into the login screen as well as the "Run As" special action.
<b>Custom Links</b>	From within a session, click a button to open your browser to an associated CRM record.
<b>Custom Special Actions</b>	Create access console special action shortcuts for tasks specific to your environment, streamlining the effort for your team to complete repetitive tasks.
<b>Customizable Notifications</b>	Granularly configure which events trigger alerts in the access console and upload custom audio files.
<b>Elevate Endpoint Client</b>	Elevate the endpoint client to have administrative rights. Special actions can be run in the current user context or in system context.
<b>Endpoint Credential Management</b>	Use credentials stored in a password vault for nearly all session types. Credentials from the Enterprise Credential Manager can be used for RDP login, Run As from special actions, performing Remote Push, and Shell Jump initiation (SSH).
<b>File Transfer</b>	Transfer files to and from the remote file system.
<b>Multi-Monitor Support</b>	View multiple monitors on the remote desktop.

Feature Name	Description
<b>Multi-Session Support</b>	Run multiple simultaneous sessions.
<b>Peer-to-Peer Sessions <span style="color: red;">New</span></b>	Network and protocol enhancements allow for direct peer-to-peer connections. A direct connection between a user and an endpoint bypasses the appliance, thus enhancing the performance of screen sharing, file transfer, and remote shell.
<b>Reboot/Auto-Reconnect<sup>1</sup></b>	Reboot and automatically reconnect to the remote computer.
<b>Remote Registry Editor</b>	Access and edit the remote Windows registry without requiring screen sharing.
<b>Remote Screenshot</b>	Capture a screenshot of the remote system.
<b>Restrict Endpoint Interaction<sup>2</sup></b>	Disable the endpoint's mouse and keyboard input and conceal the screen to avoid interference and ensure privacy while you are working.
<b>Smart Card Support</b>	In a session, use authentication credentials contained on a smart card that physically resides on the user's system.
<b>Special Actions</b>	Access common actions such as Registry Editor, Event Viewer, System Restore, etc. Perform actions in User or System context. With the Run As special action on a Windows® system, you may select credentials from an Endpoint Credential Manager.
<b>System Information</b>	View in-depth system information in an easily navigable interface. Interact with services and processes and uninstall software without requiring screen sharing.
<b>Touch ID Authentication for iOS <span style="color: orange;">New</span></b>	Authenticate to the access console via the iOS device's built-in Touch ID capability.
<b>Virtual Pointer</b>	Display a pointer on the remote screen, helpful when collaborating with another user.
<b>Wake-on-LAN</b>	Remotely access computers, even when they are turned off. Send Wake-on-LAN packets to a Jump Client host to turn on that computer, if the capability is enabled on the computer and its network.
<b>Privileged Web Access Console</b>	A web-based Bomgar access console that uses HTML 5 to provide access to endpoints. The privileged web access console removes the requirement of having to download and install the Bomgar access console client. <sup>3</sup>
<b>Collaboration</b>	Work with other users and experts to resolve support cases.
<b>Access Invite</b>	Invite anyone – internal or external – into a shared session with one-time, limited access.
<b>Extended Availability</b>	Users can be in notification mode. If invited to share a session, you will receive an email notification.
<b>Session Sharing</b>	Collaborate with other users by sharing a session with a team member.
<b>Teams</b>	Collaborate with other users who share similar skill sets or areas of expertise.
<b>User-to-User Screen Sharing</b>	Collaborate with other users by instantly sharing your screen with a team member.
<b>Jump Technology</b>	Access unattended remote desktops, servers, and other systems.
<b>Jump Client</b>	Access any Windows, Mac, or Linux system. Centrally manage and report on all deployed Jump Clients.
<b>Jumpoint</b>	Access unattended Windows systems on a network, with no pre-installed client. Connect through proxy servers by storing credentials.

<sup>1</sup>Reboot/Auto-Reconnect is not supported on Mac computers.

<sup>2</sup>Restrict Endpoint Interaction is limited to disabling the mouse and keyboard on Windows 8 and above.

<sup>3</sup>Not available in Windows 10.

Feature Name	Description
<b>Jump Zone Proxy</b>	Use a Jumpoint as a proxy to access systems on a remote network that do not have a native internet connection.
<b>Microsoft Remote Desktop Protocol (RDP) Integration</b>	Conduct remote desktop protocol (RDP) sessions through Bomgar. Users can collaborate in sessions, and sessions can be automatically audited and recorded.
<b>Scripted Jump</b>	Automatically start a session from an external program by initiating a Jump Item via a script.
<b>Shell Jump</b>	Connect to SSH/telnet-enabled network devices through a deployed Jumpoint.
<b>Chat</b>	Communicate easily with teammates both in and out of shared sessions.
<b>Session Chat</b>	Chat with other users in a shared session.
<b>Spell Check</b>	Catch misspellings and view suggested corrections.
<b>Team Chat</b>	Chat with all users on a team or with an individual.

*Features for Access Console Users*

## Features for Managers

Feature	Description
<b>User Management</b>	Centrally manage users and groups.
<b>Access Console Device Verification</b>	Enforce the networks on which your access consoles may be used, or require two factor authentication to log into the access console.
<b>Access Invite</b>	Create profiles so that users can invite anyone – internal or external – into a shared session with one-time, limited access.
<b>Administrative Dashboard</b>	Oversee team activity, monitor users' access consoles, and take over sessions owned by someone else.
<b>Application Sharing Restrictions</b>	Limit access to specified applications on the remote Windows or Linux system by either allowing or denying a list of executables. You may also choose to allow or deny desktop access.
<b>Configurable Login Banner</b>	Configure a banner to display before users can log into either the /login interface or the /appliance interface. If the banner is enabled, then users attempting to access either /login or /appliance must agree to the rules and restrictions you specify before being allowed to log in.
<b>Delegated Password Administration</b>	Delegate the task of resetting local users' passwords to privileged users, without also granting full administrator permissions.
<b>Group Policies</b>	Define Bomgar user account permissions for entire groups of users. Group policies integrate easily with external directory stores to assign permissions based on your existing structures.
<b>Inactive Session Timeout</b>	Remove an idle user from a session after a specified time of inactivity.
<b>Message Broadcast</b>	Send a pop-up message to all users logged into the access console.
<b>Multi-Factor Authentication</b>	Enables organizations to implement native two factor authentication using a secure second factor access code that is emailed to a user.
<b>Multiple /appliance User Accounts</b>	Create multiple user accounts for the /appliance interface. Set rules regarding account lockouts and password requirements.
<b>Session Permission Policies</b>	Customize session permissions to fit specific scenarios, not just specific users. You can change the permissions allowed in a session based on the specific endpoint being supported. Session permission policies provide flexibility in building the security model for each specific scenario.
<b>Teams</b>	Create teams based on skill set or experience level.
<b>Team Collaboration</b>	Define how multiple teams may interact.
<b>Templates</b>	Copy an existing security provider, session policy, or group policy to create a new object with similar settings. You also can export a session policy or group policy and import those permissions into a policy on another site.
<b>User Accounts</b>	Create an unlimited number of named user accounts.
<b>User Account Details Reporting</b>	Export account information about your user accounts for auditing purposes.
<b>User Collaboration</b>	Define session sharing options.
<b>User Login Schedule</b>	Exert control over access to the access console, restricting when users can be logged into the access console.

Feature	Description
<b>Access Console Toolset</b>	Equip your users with the specific access tools they need.
<b>Canned Scripts and Custom Special Actions</b>	Create command shell scripts and custom special actions for users to run during sessions, increasing efficiency by automating common processes.
<b>Centralized Access Console Settings</b>	Define the access console settings for your entire organization. Enforce settings to ensure a consistent experience.
<b>Jump Technology</b>	Define rules for remote access to unattended systems.
	Set expiration dates for Jumpoints.
	Create Jump Policies to enforce when Jump Items can be accessed, if a notification of access is sent, or if approval must be granted prior to access.
<b>Post Session Lock</b>	Set the endpoint client to automatically lock or log out the remote Windows computer when an elevated session ends.
<b>User Permissions</b>	Restrict or enable toolset components (ex., View or Control, File Transfer, System Information, etc.)
<b>Reports</b>	Report on all session activity; customize, filter and export reports.
<b>Endpoint Surface Analyzer</b>	Know and control how critical endpoints are accessed throughout your organization. Be aware of the listening network port exposure for systems that you manage. Report and keep a running log of critical endpoint network exposure.
<b>License Reporting and Auditing</b>	Keep track of the number of endpoint licenses used. You can download a zip file containing detailed information on your Bomgar license use. This file contains a list of all Jump Items (not counting uninstalled Jump Clients), daily counts for Jump Item operations and license usage, and a summary for the Bomgar Appliance and its endpoint license usage and churn.
<b>Reporting Permissions</b>	Manage each user's reporting privileges.
<b>Session Forensics</b>	Session Forensics is a powerful feature that allows you to search across all sessions based on session events. The feature empowers administrators to quickly and effectively identify critical security events, and aids in the prevention of potential security breaches, as well as evidence discovery. Searchable events include chat messages, file transfer, registry editor, session foreground window changed, and shell recordings. Successful matches in stored shell recordings automatically take the user to that point in time in the recording.
<b>Session Reports</b>	View details of each session. Session reports include basic session information along with links to session details, chat transcripts, and video recordings.
<b>Session Recording Videos</b>	Record and view annotated videos of sessions and command shell sessions.
<b>Summary Reports</b>	See an overview of user activity over time.
<b>Team Activity Reports</b>	View details of activity within a team, including login and logout times, team chats, and files shared.

#### *Features for Support Managers*

## Features for System Administrators

Feature	Description
<b>Mass Deployment</b>	Install Bomgar applications on multiple systems simultaneously
<b>Extractable Access Console</b>	Download a mass-deployable access console to distribute to users prior to or in parallel with upgrading the Bomgar Appliance.
<b>Mass Deployment Installers</b>	Create mass deployable installer packages for access consoles and Jump Clients.
<b>Mass Import of Endpoints</b>	When creating a large number of Jump shortcuts, you can import them via a spreadsheet in the /login interface or via the API. Importing Jump Items saves time and effort over manually adding each one in the access console.
<b>Identity Management</b>	Define Bomgar accounts using existing data on directory servers.
<b>LDAP/Active Directory</b>	Use LDAP/Active Directory to manage Bomgar users.
<b>RADIUS [Multifactor]</b>	Use RADIUS for authentication.
<b>Kerberos [Single Sign-on]</b>	Use Kerberos for single sign-on.
<b>SAML [Single Sign-on] <span style="color: orange;">New</span></b>	Use SAML with an Identity Provider to authenticate Bomgar users.
<b>Backup and Redundancy</b>	Monitor and back up the Bomgar Appliance.
<b>Backup Integration Client</b>	Schedule automatic retrieval and storage of software backups.
<b>Appliance Failover</b>	Define and automate redundancy and failover options.
<b>NIC Teaming</b>	Combine your system's physical network interface controllers (NICs) into a single logical interface, adding an additional layer of fault tolerance for your Bomgar Appliance.
<b>Integration</b>	Integrate Bomgar with external systems.
<b>Change Management Workflow Integrations</b>	Bomgar access requests can now require a Ticket ID to be entered as part of the access request process. Once entered, the request is sent to your change management system where it can programmatically be denied or allowed using the Bomgar API.
<b>Custom Links</b>	Configure custom links to include a variable for a session's external key, pointing the URL to an associated CRM record. A user can access this link from within a session.
<b>API</b>	Integrate with external systems and set API permissions.
<b>Custom Fields</b>	Create custom API fields to gather information about the endpoint, enabling you to more deeply integrate Bomgar into your organization. You can also make fields and their values visible in the access console.
<b>SNMP Monitoring</b>	Monitor the Bomgar Appliance using Simple Network Management Protocol (SNMP).
<b>Syslog Integration</b>	Send log messages to an external syslog server.
<b>Integration Client</b>	Transfer session logs, session recordings, and software backups from the Bomgar Appliance to an external system. Supported systems are Windows-based file systems and Microsoft SQL server. Schedule data transfers to take place automatically.

### *Features for System Administrators*

## Additional Integration Options

Additional integration options are available to Bomgar customers, as well. Some integrations must be purchased separately from the Bomgar software. Contact Bomgar Sales for details.

Integration Option	Requirements
<p><b>Service Desk/Systems Management Integrations</b></p> <p>Automate your integration of Bomgar with various service desk and systems management tools by requesting pre-packaged integration adapters, drastically reducing integration time.</p>	ServiceNow Enterprise
<p><b>Security Products</b></p> <p>Programmatically import Bomgar access control logs into your SIEM tool and leverage your password management solution for privileged endpoints.</p>	Thycotic Secret Server HP ArcSight
<p><b>CRM/Ticketing Integration</b></p> <p>Use the Bomgar API to create a simple integration between your CRM and Bomgar, allowing users to access a CRM record directly from the Bomgar access console.</p>	Bomgar API 1.13.0+ For a list of which API versions correspond with which Bomgar software versions, see <a href="http://www.bomgar.com/docs/privileged-access/how-to/integrations/api/api-version-reference.htm">www.bomgar.com/docs/privileged-access/how-to/integrations/api/api-version-reference.htm</a>
<p><b>3rd Party Professional Integration Services</b></p> <p>Because Bomgar's API and Integration Client conform to industry protocols, it is possible for customers to contract with a third-party professional services provider to outsource integration needs.</p>	Contact Bomgar Sales for References.
<p><b>Bomgar Professional Services</b></p> <p>Contract with Bomgar for custom integration needs.</p>	Contact Bomgar Sales.

### *Additional Integration Options for Bomgar*