



Ekran System v. 6.32.1 Release Notes

Ekran System[®] v. 6.32.1 (Build: 6.32.34)

New Features:

- **macOS Clients URL Monitoring** – alerts added.

Improvements:

- **Session Player Metadata grid** – UI simplified (dates removed from Activity Time column).
- **Viewing Monitoring Results permission** – **archived sessions** are now also included in this permission.

Previous Ekran System[®] Release Notes

Ekran System[®] v. 6.31.2 (Build: 6.31.60)

Improvements:

- **Remote Mass Deployment on macOS Clients.** Mobileconfig files to support VMware Workspace ONE – added.

Ekran System[®] v. 6.31.1 (Build: 6.31.28)

New Features:

- **macOS Clients URL Monitoring** – added (Chrome and Safari browsers).

Improvements:

- **Client Management** user interface, including:
 - **Bulk action** for more than 1,000 Clients – can now be applied.
 - **Filters and displaying number of Client groups** – optimized.
- **SIEM Integration.** User's comment on session in CEF and LEEF logs – added.
- **Scheduled Reports.** "Last day of the month" option for scheduling – added.
- **Health Monitoring.** "Send emails only to a specific domain" option – added.
- **Password Management.** Sorting of columns – added.

Issues Fixed:

- **Customized logo** was not applied (in certain cases) – fixed.
- **Scheduled Reports tab** search – fixed.

Ekran System[®] v. 6.30.2 (Build: 6.30.51)

Issues Fixed:

- **Assigning kernel-level USB monitoring rules.** USB blocking rules (temporarily) could not be assigned on Windows 10 Clients version 1909 or higher – fixed.

Ekran System® v. 6.30.1 (Build: 6.30.42)

Improvements:

- **Access requests for secrets (PAM).** A new capability to grant access for a specific period of time – has now been added to this feature.
- **Client Management page.** A re-designed, more user-friendly interface, with some new functionality added:
 - Improved performance.
 - Bulk action for working with Clients – added.
 - The last activity time for Clients – is now displayed.
 - The number of Client groups to which the Client belongs – is now displayed.
 - Navigation to Client sessions in one click – added.
- **Two-Factor Authentication tab.** Sorting of rules – added.

Issues Fixed:

- **The additional message modal window** was not included in session recording (in certain cases) – fixed.
- **SIEM Logs** were not deleted according to a schedule (in certain cases) – fixed.
- **Secrets in the PAM Connection Manager** were displayed only after clicking the Refresh button (in certain cases) – fixed.

Ekran System® v. 6.29.1 (Build: 6.29.58)

Improvements:

- **Workstation licenses for Linux Clients.** If you only need to monitor Linux GUI (X11) sessions on Linux Clients, you can now assign licenses of the Workstation type to them. All Workstations (Linux GUI, macOS and Windows) can now work from the same license pool. Note: only one Linux GUI session can be monitored at one time, and SSH sessions cannot be monitored.
- **Load balancing.** The following modifications have been made to facilitate the use of third-party load balancing software with Ekran System which is coming soon:
 - **The Application Server Installer.** The installer has been modified to allow the adding of multiple Application Server instances to your deployment.
 - **License storage.** Ekran System can now operate with a single common pool of activated serial keys for several Application Servers.
- **Database structure optimization.** Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Known Issues:

- **Assigning kernel-level USB monitoring rules.** USB blocking rules (temporarily) cannot be assigned on Windows 10 Clients version 1909 or higher.

Ekran System® v. 6.28.1 (Build: 6.28.84)

Ekran System® Standard and Enterprise Editions now offer the following new features and improvements:

- **Access requests for secrets (PAM)** – new functionality added to this feature. The options on the new Restriction Types tab now allow administrators to choose a type of access (always allow, always require approval, or allow only during working hours defined).
- **Multi-tenant mode for macOS Clients** – added.
- **ServiceNow integration** – improved:
 - Users can now decide what ServiceNow table to search for an incident in.
 - A ticket number can now be more than 11 characters.
- **Management Tool translation into Japanese** – updated.
- **Archive and Cleanup functionality** – performance improved.
- **Remote mass deployment on macOS Clients** – support for installing on macOS Big Sur now added.
- **Database structure** – optimized. Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Ekran System® v. 6.27.6 (Build: 6.27.221)

Ekran System® Standard and Enterprise Editions now offer the following new features and improvements:

- **Linux Client cleanup** – performance improved.
- **Master Panel** – new component added. This major new functionality allows large organizations with multiple isolated Ekran System deployments to view all user sessions from all Management Tools in a single interface.

Ekran System® v. 6.27.5 (Build: 6.27.197)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Network consumption** – optimized.

Ekran System® v. 6.27.4 (Build: 6.27.157)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Management Tool** - performance improved.

Ekran System® v. 6.27.3 (Build: 6.27.133)

Ekran System® Standard and Enterprise Editions now offer the following improvements:

- **Golden Image mode when assigning licenses** – performance improved.
- **Windows MachineKeys folder storage** – optimized.
- **Embedded API Session Viewer** – improved.

Ekran System® v. 6.27.2 (Build: 6.27.94)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Filters in the Archived Sessions tab** – fixed.

Ekran System® v. 6.27.1 (Build: 6.27.89)

Ekran System® Standard and Enterprise Editions now offer the following improvements:

- **Remote mass deployment on MacOS clients** – new capability implemented.
- **Management Tool Client Management page settings** – improved:
 - A new Settings Type column has been added into the Data View pane.
 - The installation process of new Clients when using an .ini file has been made more convenient to use.
- **Secondary user login for email alert notifications** – added.
- **Customization of blocked users login messages** – added.
- **Database structure** – optimized. Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Ekran System® v. 6.26.4 (Build: 6.26.267)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Deprecation of support for Windows Server 2008 R2 and for MS SQL 2008** – **implemented**. This has allowed us to improve the overall stability and performance of Ekran System. The Application Server and Management Tool can no longer be installed on Windows Server 2008, while Clients can still be monitored.

Ekran System® v. 6.26.3 (Build: 6.26.230)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Linux Client file default permissions** - optimized.

Ekran System® v. 6.26.2 (Build: 6.26.194)

Ekran System® Standard and Enterprise Editions now offer the following improvement:

- **Connection via a domain account using a Windows account Secret** – fixed.

Ekran System® v. 6.26.1 (Build: 6.26.179)

Ekran System® Standard and Enterprise Editions now offer the following new features and improvements:

- **[Enterprise Edition] The Web Secrets (PAM) feature** – added. You can now grant your employees and subcontractors access to web-based systems using Secrets.
- **[Enterprise Edition] The SQL Secrets (PAM) feature** – added. You can now grant your employees and subcontractors access to MS SQL Server Management Studio (v. 18 or higher) using Secrets.
- **Integrity checking of the Management Tool Log** – improved. The Log now provides more detailed information about any records that may have been compromised.
- **Reports** – improved:
 - Major performance enhancement in generation of reports.
 - Customizable limits have been added in the Server config file to help prevent high loads on the database side.
- **Warning window about upcoming deprecation of support for Windows Server 2008 R2 and for MS SQL 2008** – added. This has allowed us to improve the overall stability and performance of Ekran System. The Application Server and Management Tool can no longer be installed on Windows Server 2008, while Clients can still be monitored.
- **Database structure** – optimized. Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Ekran System® v. 6.25.6 (Build: 6.25.197)

Ekran System® Standard and Enterprise Editions now offer the following new features and improvements:

- **The Record User Activity Periodically feature** – improved. User activity recording can now be set to capture the screen as frequently as every second.

Ekran System® v. 6.25.5 (Build: 6.25.186)

Ekran System® Standard and Enterprise Editions now offer the following new features and improvements:

- **The User Productivity Summary Grid Report** – added. This report provides user performance information for selected sessions, which allows you to track active and idle

time as well as display the most-used applications and URLs visited by your employees and accurately determine how much time users have been productive.

- **The capability to use the same SQL Server database for multiple Ekran System deployments simultaneously** – now available. You can now combine several different Ekran System deployments into a single instance of SQL Server.
- **Support for Windows Server 2019 Core** – now available. You can now install the Ekran System Application Server and the Management Tool on machines running Windows Server 2019 Core.
- **Remote Mass Deployment on macOS Clients** – now available. This enables you to deploy Ekran System on many macOS clients simultaneously by using either Jamf Pro or VMWare Workspace ONE UEM tools.
- **The View Monitoring Results user permission** – added. Only users having this permission are permitted to view user sessions, so you can for example prevent your system administrators from viewing this sensitive data.
- **Overall system performance** – improved.
- **Database structure** – optimized. Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

[Ekran System® v. 6.25.1 \(Build: 6.25.53\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **New macOS Client:** User activity monitoring is now available on macOS computers. In addition, this release introduces a new easy-to-use macOS Client installer.
- **Using INI file during Linux Client installation:** Now, when creating an installation package, you can define the monitoring parameters for Linux Clients. Then you can install Clients with a predefined Client configuration.
- Starting with this release, you can configure single sign-on access to the Management Tool using Active Directory Federation Services (ADFS).
- **Database structure optimized.** Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Learn about more Ekran System functions [here](#).

[Ekran System® v. 6.24.1 \(Build: 6.24.13\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Subscription keys are now available.** These keys allow you to use licenses they contain during the subscription period. With the Enterprise subscription key, you will also have access to the enterprise features of the Ekran System.

- **Access Requests page:** All access requests, such as a one-time password request, endpoint access, and mass storage device access request, are now collected on one page, which simplifies their processing and allows you to see and track all requests. For each request, you can define trusted users who can process the request using a link in the email or the Access Requests page in the Management Tool.

Starting with this version, when installing the Server, you can select the authentication mode for the database: SQL Server Authentication or Windows Authentication.

Ekran System® v. 6.21.1 (Build: 6.21.7)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Using Windows Authentication to access SQL Server:** Now, Ekran System allows you to use Windows Authentication to establish a connection to SQL Server.
- Starting with this release, Linux SSH sessions are terminated at midnight. After their termination (their status changes from live to finished), new live sessions are automatically started.

Ekran System® v. 6.20.1 (Build: 6.20.9)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Session Forensic Export improvements:** In the new version of Ekran System, an updated Ekran Forensic Player is introduced. To check the integrity of the exported session, you can use the hash value displayed in the Management Tool.
- The Management Tool is now available in Turkish.
- **Database structure optimized.** Please note that after an update of Ekran System, the data migration process begins as soon as the Application Server starts up. Migration takes place in the background and may take some time.

Ekran System® v. 6.18.4 (Build: 6.18.238)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Single Sign-On Management Tool Access via OneLogin:** Starting with this version, you can integrate Ekran System with OneLogin via SAML. Once the integration is completed, users will be able to access the Management Tool via OneLogin single sign-on.
- MS SQL Server in an availability group is now supported.
- Archiving of binary data stored in a folder has been improved.
- You can now scroll through the Health Monitoring page to see system health information.

Ekran System® v. 6.17.1 (Build: 6.17.16)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Using MSI file to install the Client:** You can install Ekran System Clients on multiple computers using the MSI file. For network domain admins, this is a convenient way to deploy and install Ekran System Clients to computers throughout the network using Group Policy.
- **Session filtering has been improved:** Now, you can easily distinguish between SSH and X Window System sessions on the Monitoring Results page. Just apply the OS filter and investigate the required sessions.
- Adding and editing Secrets has become more convenient and effective.

Ekran System® v. 6.16.1 (Build: 6.16.91)

Ekran System® Enterprise Edition introduces the following changes:

- **Remote Password Rotation (PAM):** With the new Ekran System feature, you can configure Active Directory and Windows Account Secrets to change the passwords of the corresponding remote accounts. You can specify the frequency of rotation based on password security importance. Moreover, if the user account is affected by a breach, you can change the password immediately.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Microsoft Azure SQL database** is now supported.
- **IP detection has been improved** for cases where multiple NICs are used on the Client machine.
- **Storage usage dashboard improvements:** Now you can view dynamically updated information about the disk space used by the database and binary data.

Ekran System® v. 6.15.3 (Build: 6.15.219)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **User Productivity report is added.** This report provides user performance information for each hour. This allows you to track active and idle time of your employees and accurately determine how much time the user has been productive.
- Detection of the **Client status** has been improved.

Changes:

- Ekran System Server and Management Tool now require the installation of the .NET Framework 4.8.

Ekran System® v. 6.15.1 (Build: 6.15.129)

Ekran System® Enterprise Edition introduces the following changes:

- **New High Availability with Failover Cluster:** In this version, Ekran System introduces a new High Availability mode that makes it possible to reduce the impact of Ekran Server

downtime. If one Server in the High Availability mode fails, the other automatically starts on another host. All recorded data will be available on the new host.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **System Health Monitoring is now available in the Standard edition.** The Health Monitoring feature allows you to get detailed information about the database storage usage and errors occurring in the Ekran System both in the Management Tool and via email.
- **Monitoring of the file storage** has been added. Now you can timely detect that the folder for storing binary data is not available for some reason, and receive notifications about such incidents. When the folder is not accessible, the monitoring data will be saved to the local cache and will be automatically sent to the Server as soon as the connection with the folder is restored.
- **System logging** has been improved:
 - Password Management logging has been added.
 - Download of the Server logs has been improved.
 - Management Tool log performance has been increased.
- **Linux data storage** has been optimized.

[Ekran System® v. 6.14.4 \(Build: 6.14.106\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **The ability to specify a non-standard port for a Secret is added.** If you use custom ports to access your endpoints via RDP and SSH, you can specify this port when adding or editing a Secret. Ekran System Connection Manager will establish a connection through the specified port.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Preventing concurrent logins from the same Management Tool user:** In this version of Ekran System, you can control concurrent logins of users in the Management Tool.
- **Filtering sessions by duration:** The ability to filter out sessions by their duration is available in the current version.
- **User interface optimization** for the User Management page.
- **Resolution for SSH sessions** in the Session Player has been improved.
- **Overall performance improvement.**

[Ekran System® v. 6.13.1 \(Build: 6.13.169\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Quick navigation to a Secret:** Now, you can easily navigate to user sessions in which a specific Secret was used. In addition, the Secret data is highlighted in blue in the Session Player so you can quickly find it.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Display icon during recording:** In this version of Ekran System, you can optionally enable displaying the icon notifying a user of the monitored endpoint that all his actions are currently being recorded by Ekran Client.
- **Amazon Linux WorkSpaces monitoring** has been improved.

Changes:

- After the update, the Management Tool log will migrate when the Ekran System Server starts. The migration process will be in the background and may take some time.

[Ekran System® v. 6.8.1 \(Build: 6.8.168\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Bandwidth usage reduction:** In this version of Ekran System, you can control the traffic sent to Ekran Server by adjusting the size of the recorded screenshots
- Improvements in Client licensing.

[Ekran System® v. 6.7.1 \(Build: 6.7.22\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Password Management improvements:** Now Ekran System Password Management provides the ability to share Secrets with internal user groups.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Custom alert messages** have been improved.

[Ekran System® v. 6.6.1 \(Build: 6.6.243\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Alerts for X Window System Sessions have been added:** Now, during monitoring of graphical interface for X Window System, you can configure the alerts to be triggered whenever the user performs any of the following actions:
 - Enters certain commands or parameters in the terminal.
 - Launches a potentially illicit or not work-related application.
 - Opens a document with sensitive data.
 - The user whose work must be monitored starts using the machine.
- **UX/UI enhancements:** In this version of Ekran System, the Monitoring results page has been redesigned to improve user experience and usability.
- **Live sessions performance enhancements.**

Ekran System® Enterprise Edition introduces the following changes:

- **Database Archiving & Cleanup** improvements.
- **User and Entity Behavior Analytics feature** has been improved. Ekran System® v. 6.5.7 (Build: 6.5.770)

[Ekran System® v. 6.5.7 \(Build: 6.5.770\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Improvements to High Availability Mode:** Now, PostgreSQL database is supported in High Availability mode.

[Ekran System® v. 6.5.5 \(Build: 6.5.733\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Database Migration Tool:** In this version of Ekran System, Database Migration Tool is introduced. Using this tool, you can smoothly transfer data from Firebird database to PostgreSQL database with minimal effort.

[Ekran System® v. 6.5.4 \(Build: 6.5.702\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Multi-tenant mode improvements:** In the new version of Ekran System, ability to register an Active Directory user group as a tenant administrator has been added. Now, during tenant creation, there is no need to register each user separately, just add the domain group they belong to.
- **Password Management improvements:** Now Secrets can be shared with Active Directory user groups.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Linux Client performance improvements.**

[Ekran System® v. 6.5.3 \(Build: 6.5.564\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Ticketing System Integration Improvements:** From now on, you can use the API bridge REST-based HTTP application to integrate Ekran System with your ticketing system.
- **Overall performance improvement.**

[Ekran System® v. 6.5.2 \(Build: 6.5.482\)](#)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **User activity recording on Linux Clients:** In this version of Ekran System, during monitoring of graphical interface for X Window System, you can configure the following user activity recording parameters:
 - **Screen capture creation on each event:** Now you can define how often the user activity on the Linux Client machines will be captured. For example, screen captures will be created each time the key is pressed or the command is entered in the terminal, etc.
 - **Active window monitoring:** Linux Client machines can now be configured to make screen captures of the active window only.
- **Recording User Activity without Screenshots:** Now Linux Clients can be set up to record only metadata such as activity time, activity title, application name, function calls, to reduce the amount of data sent by Ekran Clients to Ekran Server.

[Ekran System® v. 6.5.1 \(Build: 6.5.416\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **One-time password feature improvements:** Ekran System now allows generating one-time passwords without administrator's approval for trusted users. If such a user requests access to Windows Client machine during the login, the one-time password will be generated and sent automatically to the email address of this user.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Enhancing Endpoint Support:** In this version of Ekran System, you can define a severity level of log entries that are saved to the Client log file which helps diagnose work issues and simplify the endpoint support.

[Ekran System® v. 6.5 \(Build: 6.5.291\)](#)

Ekran System® Enterprise Edition introduces the following changes:

- **Database Archiving & Cleanup improvements:** In the new version of Ekran System, you can configure custom archiving and cleanup settings for Client groups and separate Clients depending on your needs. For example, you can select different types of cleanup operation or set different retention period of monitoring data for different Client groups.
- **Password Management (Beta feature):** Ekran System password management functionality provides you with full control and visibility over privileged user access. Managing privileged accounts and implementing role-based access control is critical for enterprise security teams. With Ekran System, you can securely store credentials, provide granular access to them, and manage passwords without interfering with privileged users workflow.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Offline activity recording:** Now, you can limit Ekran parameters to record specific data (metrics of user activity). For example, by disabling offline activity recording, you will configure Ekran Clients to record on-screen activity only when users are at work.
- **Enhancing Linux Clients Protection:** The offline cache feature for Linux Clients has been improved.

Ekran System® v. 6.4.3 (Build: 6.4.331)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **INI file encryption during Client installation:** From now on, the .ini file with the predefined Client configuration can be easily encrypted during creation of an installation package. Thus, it will be protected from any modifications during distribution and deployment.

Ekran System® v. 6.4.2 (Build: 6.4.254)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Ability to change storage settings:** If the database credentials defined during the Server installation have been changed according to your company policy, with the help of this new feature you can edit them without re-installing the Server. Moreover, you can easily define the location for storing binary data received during monitoring.
- **Enhancing password policy:** Ekran System now increases a password complexity that requires users to employ strong passwords consisting of at least eight characters and including a letter, a special character, and a digit.
- **Overall performance has been improved**

Ekran System® v. 6.4.1 (Build: 6.4.207)

Ekran System® Enterprise Edition introduces the following changes:

- **Audio Recording:** Now, along with screen video recording and multilayer metadata recording, Ekran System allows recording input and output audio streams on the endpoints. Recorded sounds can be analyzed in the Session Player or can be exported for further analysis.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Ability to filter users by Active Directory Group:** In the new version of Ekran System, ability to define the Active Directory group for user monitoring has been added. Now, to monitor users belonging to the target domain group, there is no need to specify each user separately, just define the domain group they belong to. For example, specify the Domain Administrators Group to monitor activity of all users belonging to this domain group and skip monitoring of all other users.
- **Terminal Server Report:** A new report type that contains information on the number of users connected to a terminal server is added.

Ekran System® v. 6.4 (Build: 6.4.122)

Ekran System® Enterprise Edition introduces the following changes:

- **User and Entity Behavior Analytics (Beta feature):** Ekran System is now entering the world of User and Entity Behavior Analytics (UEBA) to protect our clients against user-based attacks more effectively. Ekran System UEBA baselines user behavior against behavioral factor to further detect abnormal user activity and possible account compromise. You can easily view the sessions with the detected behavioral anomalies and respond to risky user activity. Moreover, you can get a report on all risky sessions. To make our UEBA feature more efficient, more behavioral factors will be added in future versions.
- **SWIFT Username Monitoring:** For additional security check of the SWIFT environment, Ekran System introduces the SWIFT Username Monitoring feature. With this new feature, you can easily associate the users logged into the SWIFT network. The user name that was used for logging into the SWIFT network can be viewed in a log file on the Ekran System Server computer or in the SIEM system.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Two-Factor Authentication (2FA) for Linux Clients:** In the new version, Ekran System allows you to increase the security of your Linux Client machines with the help of two-factor authentication tool. When the critical endpoint is protected with 2FA, the user is required to provide not only user credentials, but also a time-based one-time password sent to a verified mobile device owned by this user.
- **Full Support of Monitoring of Non-Persistent VDI:** Ekran System allows automatically unassigning licenses from the disconnected non-persistent virtual desktops with further removing these virtual desktops from the database.
- **Endpoint Support Simplification:** To simplify the endpoint support, Ekran System provides an ability for an easy one-click collection of Client log files via Management Tool. Just click the link and the log files of the required Client machine will be downloaded to your computer.
- **Usability improvements.**

Ekran System® v. 6.3.4 (Build: 6.3.55)

Ekran System® Enterprise Edition introduces the following changes:

- **Multi-tenant mode improvements:** In the new version of Ekran System, you have an ability to add the Linux Client machines to the strongly isolated tenants. So, their data will not be accessible to other tenants.
- **Approving USB access by administrator:** With this new feature, you can protect sensitive data on the end-points and prevent potential data leakage by forbidding access to the USB device until the administrator approves it.

Ekran System® v. 6.3.3 (Build: 6.3.36)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Administrator's Approval on Login on Linux Clients:** Now you have an ability to better protect the Linux Client machines from undesired access. The users added to a special restricted list will be able to access critical endpoints only after approval of the administrator.

Ekran System® Enterprise Edition introduces the following changes:

- **Restricted Users feature improvements:** In the new version of Ekran System, you have an ability to define the time period out of which the restricted users will be able to start working with Client machines only with approval of the administrator. For example, the restricted user will be able to log in without approval during the defined work hours and will need the administrator's approval for login outside working hours.

Ekran System® v. 6.3.2 (Build: 6.3.33)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Export Monitored Sessions Details:** In the new version of Ekran System, you can export session details for all or filtered records represented in the Monitoring Results grid. Thus you can analyze the resulting CSV file with the external tools.

Ekran System® Enterprise Edition introduces the following changes:

- **Publishing Ekran System internal events to Windows Event Log:** With the help of this new feature, you can get access to the Ekran System messages, including errors, information messages, and warnings via the Windows Event Log which helps diagnose the Ekran System state and avoid potential issues.
- **SIEM Integration improvements:** Ekran System now sends the records about the alerted events and monitored data directly to SIEM systems such as Splunk, ArcSight, and QRadar.

Ekran System® v. 6.3.1 (Build: 6.3.30)

Ekran System® Enterprise Edition introduces the following changes:

- **Restricting user access by time:** With the help of this new feature, you can protect the Client computers from access at undesired time, e.g. outside working hours. The restricted users will be able to log in to the Client computers only during the defined time period and will be forcibly logged out after it.
- **Overall performance has been improved.**

Ekran System® v. 6.2.3 (Build: 6.2.40)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **Window System Monitoring (Beta feature):** Now Ekran System remote SSH session monitoring provides the ability to monitor not only the commands executed in the terminal but also the X Window forwarded applications. Monitoring of the Linux sessions started locally via the graphical interface is supported as well.

Ekran System® v. 6.2 (Build: 6.2.6)

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **PostgreSQL database support:** Now you can benefit from all advantages of the PostgreSQL database, the most advanced open source database system that supports large deployments.
- **Sessions out of work hours grid report:** A new report type with information on time users spent out of their work hours is introduced.
- **Linux user filtering:** A new feature will help you to reduce the amount of information received from the Linux Client by defining users, whose activity will be monitored or, on the contrary, skipped during monitoring.
- **Linux Client cache limit:** Now you have an ability to control the Linux Client disk space usage by adjusting the cache size you need.
- **Session grid report improvement:** A new Comment column, which contains comments entered by users on login, has been added to the Session grid report.
- **Updating predefined alerts database:** Now Ekran System contains more predefined alerts to be triggered on potentially harmful or forbidden actions performed on the Client computers.
- **Report Generator page redesign.**
- **Pseudo graphic for Putty and Ubuntu terminal in the Session Player has been improved.**
- **Usability and performance improvements.**
- **Notification about expiration of Ekran System update & support subscription:** Now you will receive a reminder about Ekran System update & support subscription expiration beforehand so you can renew your subscription in time and continue having access to the new releases.

Ekran System® Enterprise Edition additionally introduces the following changes:

- **ServiceNow ticketing system integration:** An integration with the most popular ticketing system is now available in Ekran System. This allows you to prompt users to enter valid ticket numbers to start working with Windows Client machines associating session record with a particular ticket accordingly.
- **Isolating database from Clients:** Now you have an ability to disconnect all Clients from the database and send them offline so that you can fix issues with the database, run database cleanup and maintenance without stopping the Ekran Server. Once database work is restored, you can return all Clients online in one click.

Ekran System® Standard and Enterprise Editions introduce the following changes:

- **New Interface:** The new design of the Ekran System interface will ensure more comfortable and pleasant work with the Management Tool.
- **Linux Clients Protection:** If the Linux Client process is killed, the monitoring will continue and data will be saved to the offline cache. As soon as the Client gets online, all monitored data will be sent to the Server.
- **Detection of remote IP in VMware Horizon Environment:** Now you can use IPs of VMware Horizon Clients to search sessions.
- **IPv6 full support:** The columns with IPv6 data are displayed for each session, so now you can see the public IPv6 and private IPv6 for the remote hosts, from which sessions were started, along with the IPv6 address of the computer, on which the Client is installed.
- **New types of alerts for clipboard events:** Two new types of alerts are added – now the platform can notify you and bookmark each episode when the user copies/cuts information or pastes it.

Ekran System® Enterprise Edition additionally introduces the following changes:

- **Easier access to remote computers via PASM:** Now you can open the Ekran System Remote Access window using the shortcut on your desktop.
- **System Health Monitoring:** Now you can get detailed information about the database storage usage and errors occurring in the Ekran System both in the Management Tool and via email.
- **Server Resource Monitoring:** On interactive dashboards, you will see the resource usage by the Ekran System Server process at the moment as well as average speed of insertions to the database and the number of records waiting in the queue.
- **Offline Clients detection:** The new option for offline Client detection will help you to timely detect Clients that have stopped transmitting monitoring data. Just define the time period after which the Clients will be considered “lost” and get notified about such incidents.
- **IP Filtering feature is added:** The ability to filter out sessions from certain remote IP addresses or monitor only sessions from certain IP addresses is available in the current version.
- **Restricted Users feature improvements:** Now you have an ability to define the computer groups for the restricted users. So, the restricted user will need the admin’s approval for login on the computers from the defined computer group and will be able to log in without approval to computers outside the group.
- **Improvements to High Availability Mode:** The licensing implementation has been simplified as we’ve removed a separate license server component.

Ekran System® introduces the following changes:

- **Privileged Account and Session Management (PASM):** Now you can manage, control, and monitor privileged accounts in your IT infrastructure. With this feature, you can provide users with temporary RDP access to the protected computers using the privileged accounts whose credentials are stored in the secure password vault.
- **Multi-tenant mode is added:** The Multi-tenant mode allows multiple strongly isolated tenants to operate in Ekran System environment. Data of each tenant including monitored data, user credentials, Client names, System configuration, etc. is independent and not accessible to other tenants.
- **Keystroke filtering:** In the new version, you can disable keystroke monitoring within specified applications launched on the Client or monitor keystrokes only inside the selected applications.
- **Product customization:** Now you can use a custom logo and customize output of the generated reports.
- **Client and Server performance improvements.**