#### What's New in Cayosoft Administrator v9

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## **Cayosoft Administrator Management of Google Workspace Users**

Cayosoft now supports basic operations for the creation, property modification, and deletion of Google Workspace users from within the Cayosoft Web Portal. Text files can also be used to bulk create Google Work users.

# Office 365 License Management Rules now use Microsoft Graph

License assignment rules have been improved and upgraded from the legacy MSOL cmdlets to Graph API. Filtering by assigned licenses and their applications and services has been added to these rules. Also, it is possible to filter by direct or inherited license assignments.

# **Cayosoft Administrator Support for OKTA Web Single Sign-on**

Cayosoft Administrator Administrative Web Portal can now be accessed from OKTA's Web Single Sign-on portal.

### **Cayosoft Administrator Suspend Action for Office 365 Users Enhanced**

Additional actions are now available when an Office 365 user account is suspended. User accounts can now be forced to sign out from all cloud sessions, grant manager access to the cloud mailbox, and assign a different license.

#### Cayosoft Administrator Post Mailbox Creation Tasks Enhanced

When a new user is created and an Exchange Online mailbox is added through the assignment of a Microsoft license, the additional tasks can now be optionally performed to configure the mailbox according to company policies.

Version ID Item Product Area

9.3.1	11079	An issue has been resolved in the License Optimization when Optimization Advisor showed users as optimized on localized OS even if they didn't have an optimal license.	
9.3.1	11168	An issue has been resolved when delegated administrators from another forest could get Global Admin access using Azure AD authentication.	Microsoft 365 Web Management
9.3.1	11222	<u>Teams Voice Settings web action</u> has been updated to clear the currently assigned number for each number type.	Microsoft 365 Web Management
9.3.1	11332	An issue has been resolved when it was impossible to sign in to the Web Portal if the Analytics Collection runbook was running.	Automation rules and reports
9.3.1	11355	An issue has been resolved in the Analytics Collection runbook when it may fail due to excessive memory consumption which led to the "Out of memory" situation.	Automation rules and reports
9.3.1	11384	OneDrive Properties web action has been updated with the new Site URL property.	
Version	ID	Item	Product Area
9.3.0	1832	Office 365 Users   Mailbox post creation tasks rule has been updated with the 'Initialization Script' section.	Automation rules and reports
9.3.0	2591	New Microsoft 365 License reporting rules have been added:	Automation rules and reports
		<ol> <li>AD Users with Microsoft 365 License</li> <li>Microsoft 365 Users with Licenses</li> </ol>	e <u>s</u>
		These rules allow filtering by Microsoft 365 licenses.	
9.3.0	2784, 11018	New web actions for Microsoft 365 Contact have been added:	Microsoft 365 Web Management
		<ol> <li>New Contact</li> <li>Properties</li> <li>Delete</li> </ol>	

9.3.0	3914	New automation rules that move Active Directory objects to another OU have been added:	Automation rules and reports
		<ol> <li>AD Objects   DynamicAttributes™ Relocate AD Objects.         This rule moves AD Objects to an OU defined directly or mapped dynamically in a CSV file.     </li> <li>Text File   Move AD Object.         This rule takes AD Objects defined in a CSV text file and moves them to an OU defined directly or mapped dynamically in a CSV file.     </li> </ol>	
9.3.0	4438	Delegated administrators can now see published reports on the Web Portal.	Product Configuration
		Global Administrators can create a reporting rule, configure it and publish it to the Web Portal. After that delegated administrator can run this rule when needed and access the generated output file from the Web Portal. These reports will only contain the objects visible to this delegated administrator.	
9.3.0	4614	Office 365 License Quota Report rule has been updated with the new settings to filter by Admin Units and attach CSV file.	Automation rules and reports
9.3.0	6263	In Administrator Console Web Queries UI has been updated to add custom web actions to a Web Query.	Product Configuration
9.3.0	6433	Non-synced Azure AD security groups can now have computers as members.	Microsoft 365 Web Management
9.3.0	6633	All web actions have been updated with new settings to display <u>custom success and custom error messages</u> .	Product Configuration
9.3.0	6685	New <u>Sign-out of MS 365 sessions web action</u> has been added to sign a user out of all Microsoft 365 sessions.  This Web action can be used in the following Web Queries:	Management
		<ol> <li>AD Users</li> <li>AD Users (Inactive)</li> <li>AD Users (Locked out)</li> <li>Microsoft 365 &gt; Users</li> </ol>	
9.3.0	7772	Clone User web action has been updated to support copying cloud groups' membership.	Active Directory Management

9.3.0	8900	<u>Update My Profile form</u> has been updated with the 'Manager' field.	Active Directory Management
9.3.0	8939	The <u>Family Groups</u> feature has been updated to support these types of Cloud groups as target:	Automation rules and reports
		<ol> <li>Microsoft 365 Groups (Teams)</li> <li>Microsoft 365 Distribution Lists</li> <li>Microsoft 365 Mail-enabled Security groups</li> <li>Microsoft 365 Security groups</li> </ol>	
		Using Family Groups you can both create a set of Active Directory or Cloud groups based on attributes of potential AD or Microsoft 365 user members and then populate that group with those users.	
9.3.0	9292	Add Members from File web action (MS 365) has been updated with the error message and with the 'Validate user accounts in data source' command when not adding any members if some users are already members of the group or they are not found.	Microsoft 365 Web Management
9.3.0	9808	Exchange Online PowerShell module version 3.0.0 can be installed manually and used with Administrator Service.	Product Configuration
9.3.0	9907	New <u>Text File   Enforce license rule</u> has been added. This rule queries the specified CSV file containing a list of Active Directory or Microsoft 365 users and assigns licenses according to the Action section settings.	Automation rules and reports
9.3.0	10238	Compare Membership web action has been updated to support not default primary groups.	Active Directory Management
9.3.0	10274	The name of the 'My Profile & Password; section in Web Portal can be now renamed in Web Portal Settings.	Product Configuration
9.3.0	10281	An issue has been resolved in the change history for Mailbox web action when the change history has additional attributes not only modified email addresses.	Active Directory and Microsoft 365 Web Management

9.3.0	10286	The look and feel of the Administrator Console and Web Portal have been improved. The Web Actions menu in Web Queries has been re-arranged, and menu items have been grouped and supplied with an icon to improve usability.	
9.3.0	10300	An issue has been resolved in <u>Suspend web</u> action when the assigning manager as a delegate to the suspended user's mailbox failed if there were two manager accounts with the same name in Microsoft 365.	Active Directory and Microsoft 365 Web Management
9.3.0	10301	An issue has been resolved in the <u>Computer Properties web action</u> when the computer name could be changed.	Active Directory Web Management
9.3.0	10310	An issue has been resolved in the License Usage layout in the Web Portal.	Microsoft 365 Web Management
9.3.0	10320	An issue has been resolved in <u>License Profile</u> in Web Portal when ATP license is not shown if it is assigned alongside other licenses.	Microsoft 365 Web Management
9.3.0	10339	When using Administrator Service deployed in Azure Virtual Machine it is now possible using Azure AD SSO (with MFA) for remote Administrator Service connection.	-
9.3.0	10375	Enable Mailbox web action has been updated with a new option to use the current mail property value when the user mailbox is enabled.	Active Directory Web Management
9.3.0	10397	An issue has been resolved in the <u>Change</u> <u>History Details Report rule</u> when it returned the wrong data on Subscriber.	Automation rules and reports
9.3.0	10412	Add Members from File (Microsoft 365) web action has been updated to support searching for users to add from provided CSV file by <i>mail</i> attribute.	Microsoft 365 Web Management
9.3.0	10475	Microsoft 365 <u>Groups</u> and <u>Groups</u> - <u>Distribution</u> web queries have been updated with a picker for adding Microsoft 365 Contact objects.	Microsoft 365 Web Management
9.3.0	10486	Membership web actions for Groups and Teams web queries have been updated to show members' <i>mail</i> attribute value instead of <i>UserPrincipalName</i> .	Microsoft 365 Web Management
9.3.0	10551	An issue has been resolved in New User Create Remote Mailbox rule when a user had the wrong remote routing address after cloning.	Automation rules and reports

9.3.0	10569	New AD Groups   Send Email Notification rule has been added. This rule sends an email to the specified Active Directory group scope. It can be used as a standalone rule or in a runbook or in conjunction with a Web Action.	
9.3.0	10583	New Group (AD) web action has been updated with the new 'User can set additional owners' setting to add secondary owners during group creation.	Active Directory Web Management
9.3.0	10602	The error message has been updated in the Membership rules if in multi-domain environment Groups settings had group <i>DisplayName</i> instead of user <i>DistinguishedName</i> .	Automation rules and reports
9.3.0	10613	An issue has been resolved in the Attribute Policy for the New Phone Number value in <u>Teams Voice web action</u> when the default value didn't work.	Microsoft 365 Web Management
9.3.0	10614	Attribute Policy for mailbox web action has been updated to allow adding, removing, and making primary the email address with the specified domain suffixes.	Product Configuration
9.3.0	10624	Initial Configuration Wizard has been improved with the ability to provision a new Microsoft 365 connection account during the product configuration.	Product Configuration
9.3.0	10628	An issue has been resolved in the <u>AD Users</u> <u>Create Exchange remote mailbox rule</u> when it required Microsoft 365 extension.	Automation rules and reports
9.3.0	10632	Access to the <u>Administrator Service debug</u> log has been provided from the remote Administrator Console. Send and Clear Logs buttons have been added.	Product Configuration
9.3.0	10635	An issue has been resolved in Teams Properties and Membership web actions when adding a guest as a Team member could fail if the Microsoft 365 connection account was not the Team's owner.	Microsoft 365 Web Management
9.3.0	10643	Okta extension settings have been updated to support the DNS domain name of level 3+.	Product Configuration
9.3.0	10679	Office 365 Mailbox location dashboard has been updated with new abbreviations for the mailbox location map.	Microsoft 365 Web Management

9.3.0	10694	The user interface in <u>Self-Service - Password Self-Service Enrollment Details web action</u> in Admin Console has been improved: the bottom tooltip and red text have been added to the dialog window for the 'Password' setting to make sure to store the password.	Automation rules and reports
9.3.0	10750	An issue has been resolved when the Sharepoint URL address used for the connection was calculated incorrectly.	Microsoft 365 Web Management
9.3.0	10755	The performance of cloud <u>Add Members</u> <u>from File web action</u> has been improved for a large number of members. The new 'Bulk-replace optimization threshold (members)' setting has been added to the web action.	Microsoft 365 Web Management
		Microsoft provides a speed-optimized Exchange API to add users to a mail-enabled group in bulk by replacing existing users. Cayosoft will use this method when adding more than the specified number of users to a mail-enabled group. Existing members will be re-added along with the new users.	
9.3.0	10798	Office 365 Licenses Consumed rule's report has been updated with the 'Office 365 License SKUs' column.	Automation rules and reports
9.3.0	10804	Administrator Service now supports the latest Microsoft Teams PowerShell module version 4.7.0.	Product Configuration
9.3.0	10805	Administrator Service now supports the latest versions of the SharePoint Client-Side Object Model and Microsoft SharePoint Online Services module.	Product Configuration
9.3.0	10859	Teams Voice Settings web actions (Hybrid and Cloud) have been updated with Operator Connect numbers.	1
		New <u>AD Users   Teams Operator Connect Assignment (DID Number Assignment) rule</u> has been added.	Microsoft 365 Web Management
		This rule queries the specified Active Directory user scope and assigns an Operator Connect phone number to each user. Used when PSTN connectivity and phone numbers are provided by third-party providers through the Microsoft Teams infrastructure.	

9.3.0	10869	The new Text File   Teams Voice Number Assignment rule has been added. This rule takes a text file containing a list of users with the phone numbers that should be assigned to this user and assigns the corresponding number.	
9.3.0	10888	An issue has been resolved when using the Azure AD account to sign in to the Web Portal may fail with an error 'Authorization_RequestDenied Message: Insufficient privileges to complete the operation.'	Product Configuration
9.3.0	10892	An issue has been resolved in creating sessions for Microsoft 365 extension when the Sharepoint Online service is enabled.	Product Configuration
9.3.0	10977	An issue has been resolved when Azure AD events from <u>legacy authentication</u> application 'Office 365 Exchange Online' could appear when enumerating WinRM sessions.	Product Configuration
9.3.0	11131	The 'tel:' prefix has been removed from the assigned Teams phone number.	Microsoft 365 Web Management
Version	ID	Item	Product A
9.2.3	10412	The Add Members from File web action	Microsoft 365 We
y <b>.2.</b> 0		for Microsoft 365 Groups and Teams has improved to add users and guests by ema	s been Management
9.2.3	10451	for Microsoft 365 Groups and Teams has	s been Management ail. It 365 Microsoft 365 We
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9.2.3	10451	for Microsoft 365 Groups and Teams has improved to add users and guests by ema. An issue has been resolved for Microsoft Distribution Groups when delivery restri were displayed as blank.  1. The Email column has been added Membership web action grid for N 365 Groups and Teams.  2. Email column has been added to the Users web query.  3. Mail attribute has been added to de properties used by the query search Microsoft 365 Users and Guests U	s been Management ail.  It 365 Microsoft 365 We Management  It to the Microsoft 365 We Microsoft Management  the Guest  efault h in Isers
9.2.3 9.2.3	10451 10486	for Microsoft 365 Groups and Teams has improved to add users and guests by ema. An issue has been resolved for Microsoft Distribution Groups when delivery restri were displayed as blank.  1. The Email column has been added Membership web action grid for Na 365 Groups and Teams.  2. Email column has been added to the Users web query.  3. Mail attribute has been added to deproperties used by the query search Microsoft 365 Users and Guests U web queries.  The performance of the AD Users   Enfo	Management  ail.  At 365 Microsoft 365 We detions Management  At to the Microsoft 365 We dicrosoft Management  Man

Version	ID	returned back the list of rules.	Product Area	
9.2.3	10823	AD Users   Fix Replication Issue for Self-Ser Enrollment (KB20190517-1) rule has been	rvice Automation rules reports	

Version	ID	Item	Product Area
9.2.2	10433	An issue has been resolved in the Okta extension when it didn't work if Internet Explorer's first launch configuration was not complete.	Product configuration
9.2.2	10598	An issue has been resolved in the <u>Teams</u> <u>Voice Settings web action</u> when all values in the Teams Polices were empty.	Microsoft 365 Web Management
9.2.2	10638	An issue has been resolved in the <u>Teams</u> <u>Voice Settings web action</u> when it worked too slow checking the number being assigned against the already assigned numbers.	Microsoft 365 Web Management
9.2.2	10646, 10685	Performance of the <u>enforce license rules</u> was improved.	Automation rules and reports
9.2.2	10680	An issue has been resolved in the <u>Teams</u> <u>Voice Settings web action</u> when Enterprise Voice setting worked incorrectly.	Microsoft 365 Web Management
9.2.2	10695	An issue has been resolved in <u>Mailbox web</u> action for <u>Remote Linked mailboxes</u> when the Delegation tab was empty.	Active Directory Web Management

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9.2.1	9816, 10366	The Teams voice rules have been updated as Microsoft updated cmdlets for teams' phone number assignments:	Automation rules and reports
		Teams Direct Routing Assignment rules:	
		<ol> <li>'Hosted Voicemail' setting was removed.</li> </ol>	
		AD Users   Calling Plan assignment rule and Teams Voice Settings web action:	
		<ol> <li>Country code is now used to get the number.</li> <li>'Telephone number starts with' setting has been added to the rule.</li> </ol>	
9.2.1	10397	An issue has been resolved in the Change history details rule when it didn't work on subscribers.	Automation rules and reports
9.2.1	10479	<ol> <li>Attribute Policy has been updated with a new 'E-mail addresses (Types)' property to restrict editing to a specific type of email address. For example, SMTP.</li> <li>Properties (AD Contact) and Group Mail Properties (AD Group) Web Actions have been updated with 'Set mail attribute according to primary SMTP address' setting.</li> </ol>	Active Directory and Microsoft 365 Web Management
		<ol> <li>Properties (AD Contact) and User Mail Properties (AD User) Web Actions have been updated with 'Set targetAddress attribute according to primary SMTP address' setting.</li> <li>Mailbox (Microsoft 365 User) Web Action has been updated with 'Set UPN to the primary email address' setting.</li> </ol>	
9.2.1	10480	New Distribution Group (AD) Web Action has been updated with 'Also validate email uniqueness in the cloud' setting.	Active Directory Web Management
Version	ID	Item	Product Area

**Important:** Due to Microsoft deprecating some of the Microsoft 365 license assignment APIs, the license automation rules need to be migrated to the new replacement rules. For details, please see this article <u>Deprecated Rules – Cayosoft Help Center</u>. To minimize the impact of such migration on our customer base, Cayosoft is executing a phased upgrade with this release. The public announcement about Cayosoft Administrator 9.1 would go out when we complete the first set of upgrades. Besides license assignment rules migration, the upgrade to Cayosoft Administrator 9.1.0 is no different than any other previous upgrades. If you still need to upgrade to the 9.1.0 version and/or want to migrate license management rules to their new version with more options like filtering and etc, please contact <u>Cayosoft support.</u>

9.1.0	2767	License assignment rules have been improved and upgraded from the legacy MSOL cmdlets to Graph API. Filtering by assigned licenses and their applications and services has been added to these rules. Also, it is possible to filter by direct or inherited license assignments.	
9.1.0	2443	Okta as Identity Provider is now supported for Web Portal SSO.	Product configuration
		Users can sign in to Web Portal with Okta accounts.	
9.1.0	2605	Web Portal Search has been improved to properly filter search results without changing the page size to "All".	Active Directory Web Management
		When Active Directory Web Queries are configured with post-filter the requested number of objects are shown on the page after the search and there is no need to set the page size to "All".	
9.1.0	3473	Cayosoft Administrator now supports the management of Google Workspace identities.	Product configuration
		List of the new automation rules and web actions for Google Workspace management:	

- 1. New User web action (Google)
- 2. Properties web action (Google user)
- 3. Delete web action (Google user)
- 4. Text file | Create Google Users rule
- 5. Text file | DynamicAttributes Update Google Users Properties rule

9.1.0 Cayosoft Administrator has been upgraded Product configuration from using a legacy Azure AD Graph API to a modern MS Graph API.

9.1.0	7548, 7591	Rule migration and deprecation toolset has been added to the product.	
		The Deprecated Rules node has been introduced in the Administrator Console, where you can review and migrate such rules to a newer version.	
9.1.0	7973, 9922	Suspend of the Microsoft 365 user accounts has been extended with new functions: sign out from all cloud sessions, grant manager access to the cloud mailbox, and assign a new license.	Automation rules and reports
		Suspend   Office 365 User and Guest rule has been updated with the new settings:	
		<ol> <li>"Sign out of all sessions" setting. This setting specifies if user sessions with cloud applications should be revoked when this user is suspended.</li> <li>"No and grant manager full permissions on mailbox" value has been added to "Convert to Shared Mailbox".</li> <li>"Assign replacement license" setting. If "Remove license" above is set to "Yes", this will attempt to assign the listed replacement licenses.</li> </ol>	
9.1.0	8528	Product security has been improved.	Product configuration
		The global Administrator's role has been updated with the new setting: "Exclude local machine administrators". This setting allows excluding local machine administrators from global administrators of Cayosoft Administrator Service.	
9.1.0	8577	A New Custom Web Action command has been added. This web action allows running unsupported scripts for selected objects in Cayosoft Web Portal.	Product configuration
9.1.0	9309	Self-Service now supports Self-Service enrollment and password reset in a multiforest environment for users from trusted managed domains.	Self-Service Management
9.1.0	9354	Other Properties setting for New Group and New Distribution Group web actions have been updated to a total of 20 slots.	Active Directory Web Management

9.1.0	9656	Self-Service now supports the Update my profile feature for users authenticated with the Azure AD.	Self-Service Management
		Update My Profile action is displayed in Sef- Service when My Profile and Password is delegated to a user and Azure AD sign-in is used.	
9.1.0	9758, 10117	Several product security changes have been made as a result of penetration testing and security review.	Product security
9.1.0	9775	In the Administrator Console rules' folders can be renamed.	Automation rules and reports
9.1.0	9785	An issue has been resolved in Dynamic Group Microsoft 365 Users with a Mailbox command when it returned no data.	Automation rules and reports
9.1.0	9804	Teams Voice Settings web actions for Active directory and Microsoft 365 have been updated with a new Default Number Types section. The settings in this section allow specify the default number type and default Direct Routing method.	Microsoft 365 Web Management
9.1.0	9811	An issue has been resolved in Change History when its' details could not be expanded in Web Portal if <u>Cayosoft Administrator is configured for remote access through Azure AD Application Proxy</u> .	Automation rules and reports
9.1.0	9813	An issue has been resolved in <u>Teams Voice</u> <u>Settings</u> web action when it didn't work for Active Directory users from the non-default domain.	Microsoft 365 Web Management
9.1.0	9817	An issue has been resolved in the Dynamic Groups in Microsoft 365 Groups and Member of Microsoft 365 Groups commands when synchronized groups were excluded from the search.	Automation rules and reports
9.1.0	9834	An issue has been resolved when it was the error during signing in the Web Portal if Active Directory authentication was used and Cayosoft Administrator was configured for remote access through Azure AD Application Proxy.	

9.1.0	9835	Suspend user web action has been updated to not to remove the Microsoft 365 licenses and to report the error if conversion to shared mailbox failed for some reason.	Active Directory and Microsoft 365 Web Management
9.1.0	9840	An issue has been resolved in the My AD Groups web query when it failed with the error if a signed-in user was a member of a group from the excluded domain.	Self-Service Management
9.1.0	9848	An issue has been resolved in the Attribute policy when its' settings were empty if a Virtual Admin Unit is deleted and "All Actions" are selected.	Product configuration
9.1.0	9854	The error message about exclusion rules for Dynamic Groups that are defined in Active directory extension > Advanced Settings has been updated with more accurate and user-friendly text.	Automation rules and reports
9.1.0	9862	An issue has been resolved in <u>Analytics</u> collection   <u>Teams Usage rule</u> when the last post date is calculated incorrectly because of the technical messages that do not turn up in Teams client.	Automation rules and reports
9.1.0	9908	New User   Office 365 Mailbox post creation tasks and AD Users   Set Office 365 Mailbox Settings rules were updated and a new "Junk Email" section was added:	
		<ol> <li>Enable junk email rule</li> <li>Treat contacts as trusted</li> <li>Don't trust email outside safe senders list</li> <li>Add to Safe Senders List</li> <li>Add to Blocked Senders List</li> </ol>	
9.1.0	9914	An issue has been resolved in the Active Directory user <u>mailbox web action</u> when the email addresses list had two identical suffixes.	Active Directory Web Management
9.1.0	10038	An issue has been resolved in the AD Users Inactive rule when sorting didn't work.	Automation rules and reports
9.1.0	10063	The Microsoft 365 New User web form has been extended with the Company filed.	Microsoft 365 Web Management

9.1.0	10069	An issue has been resolved in <u>Text file</u> <u>Create AD users</u> rule when it continues to work when an error occurs.	Automation rules and reports
9.1.0	10079	An issue has been resolved in Dynamic Groups when they failed because Exchange Online sessions were recreated incorrectly.	Automation rules and reports
9.1.0	10126	An issue has been resolved in <u>License</u> <u>Profiles</u> when a license profile with a tenant-level only service plan couldn't be assigned.	Microsoft 365 Web Management
9.1.0	10127	An issue has been resolved in Distribution Groups when exporting membership of such group returned only 1000 results.	Active Directory and Microsoft 365 Web Management
9.1.0	10135	AD Users with Office 365 Licenses rule was updated to be able to use PowerShell expressions in the rule output.	Automation rules and reports
9.1.0	10157	An issue has been resolved in the Administrator Console when the error occurred when trying to get the list of Azure AD Administrative Units.	Product configuration
9.1.0	10205	The password generation options section has been added to Microsoft 365 extension to configure the password policy.	Microsoft 365 Web Management