Infrastructure Training
Lesson 4 Recap

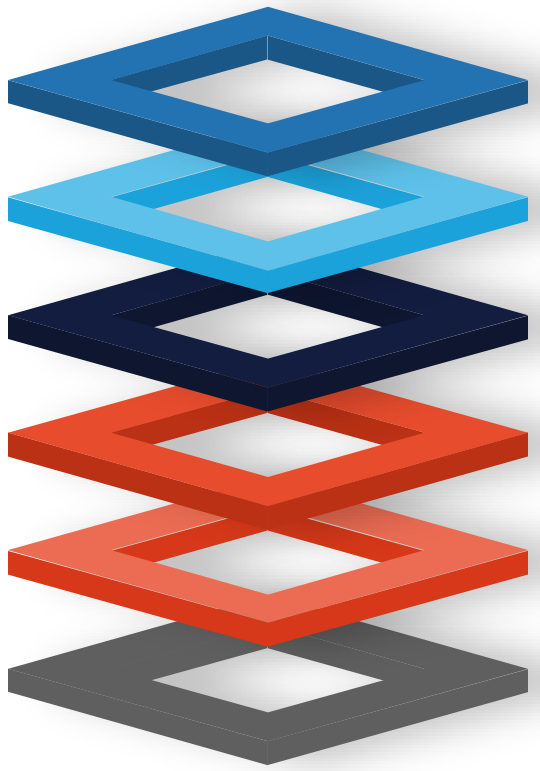
Web.config explained

Nlog section – targets, rules

Orchestrator uses the NLog library to collect messages from various sources and send them to various targets

Sources: Robot, Quartz Scheduler, Orchestrator application itself

Targets: standard targets (Event Log, File, Database) and custom targets (Elasticsearch)



Rules: divide logs from Robots to different targets based on Log Level

Use variables for index name (Elasticsearch) or for file name (example from NLog.config on the robot machine)

Additional information on https://www.codeproject.com/Articles/10631/Introduction-to-NLog

Queues parameters

inProgressMaxNumberOfMinutes

- default 1440 (24 hours)
- Queue items that stay “In Progress” for more than 24 hours are marked as “Abandoned”

QueuesStatisticsScheduleCron

- default at second 10, every minute
- Calculate number of in progress and remaining items, average processing time, number of errors for each queue

UpdateUncompletedItemsJobCron

- default every hour
- How often to check for “In progress” items to make them “Abandoned”.

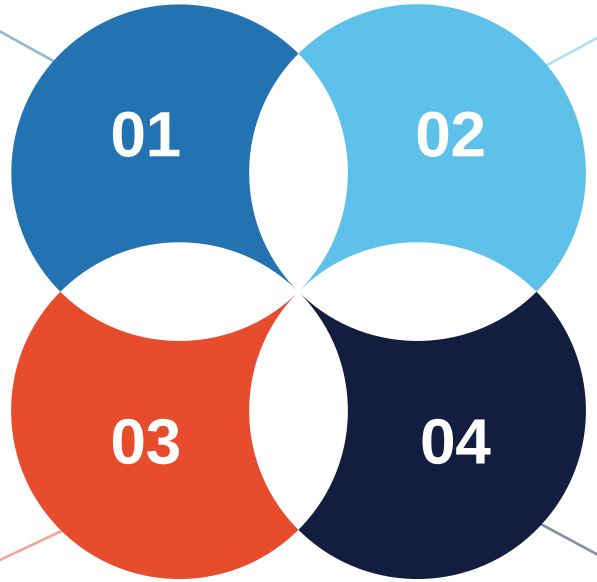
Alerts parameters

Alerts.Email.Enabled

Is read first from the file and saved in the DB, where it is maintained and it's editable from Settings -> Mail

DailyAlertMailJobCron

An email is sent every morning at 7 am, with a summary for the last 24 hours



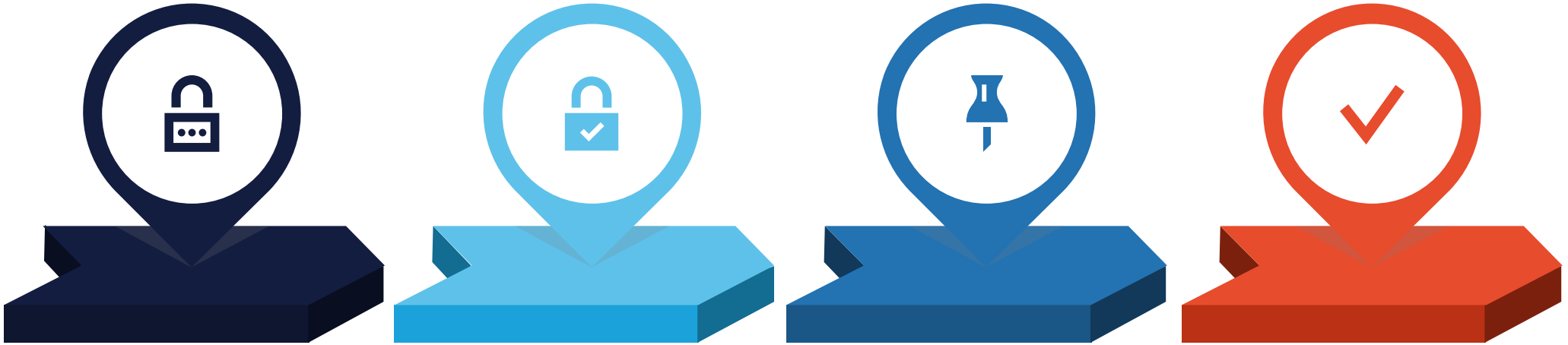
NotRespondingRobotsJobCron

A job scheduled at every minute, to update the status of the robots which didn't send a heartbeat in the last 3 minutes

PeriodicErrorMailJobCron

A job scheduled at every 10 minutes, to send the emails that have been generated by alerts

Windows authentication



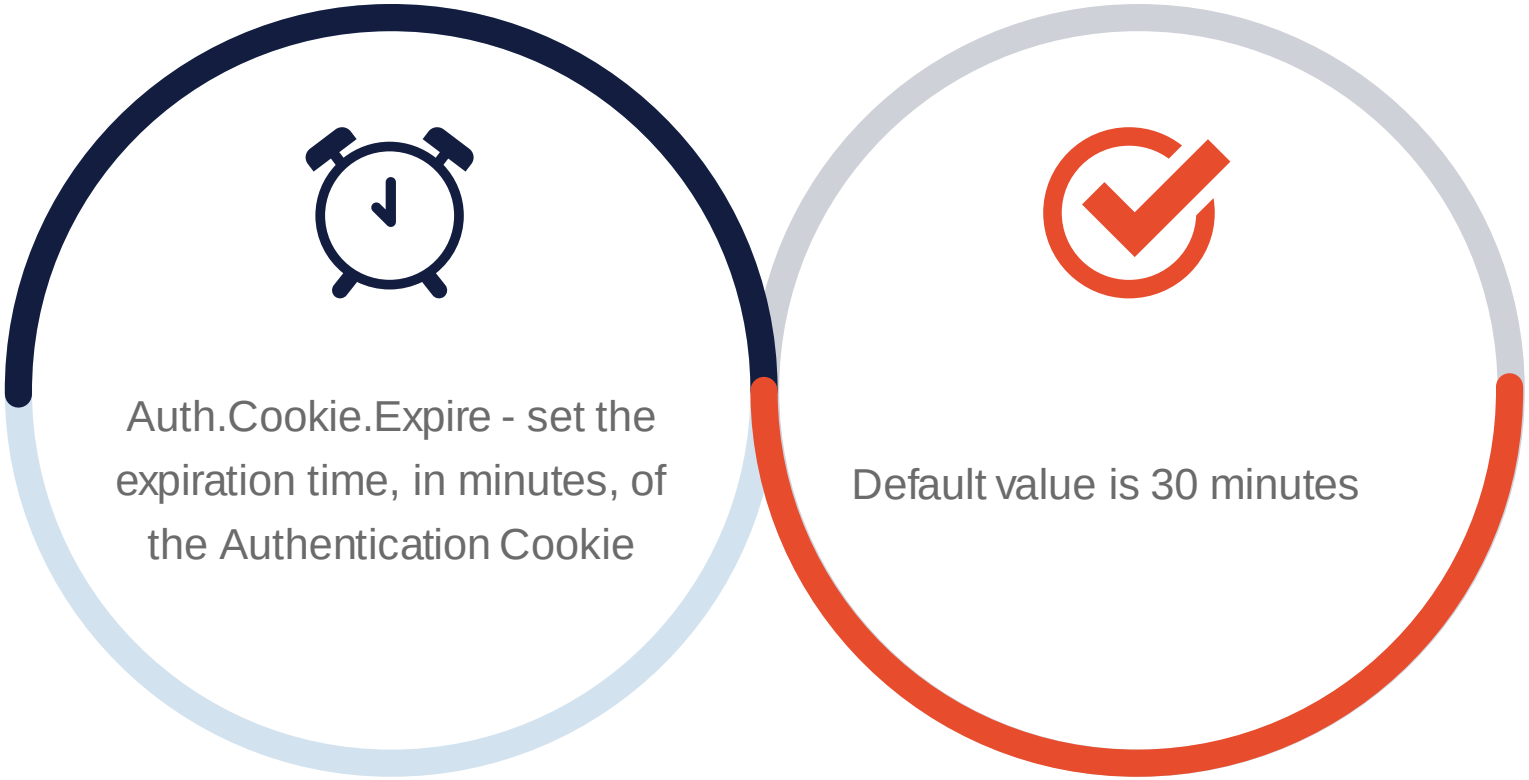
Allow registered users to login with the Windows button, instead of providing username and password

Windows Authentication in IIS needs to be enabled for the website

In web.config set WindowsAuth.Enabled to true and put domain name in WindowsAuth.Domain – short domain name or long domain name

Do not turn WindowsAuth.AutoLogin.Enabled to true, unless you want the application to try to authenticate the user directly with current Windows user, without displaying the login page

Authentication Cookie expiration



Enable “Become a tenant”

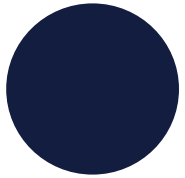
Tenants can be created regardless of the presence of the “Become a Tenant” button; that button on the login page is to let any visitor to create a tenant.

Tenant management is made by using the following values on the login page: Tenancy name: host, Username or email: admin, Password: the password that was given to you by UiPath

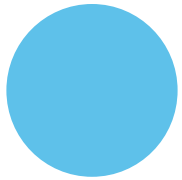
Tenant.Registration.Enabled set to true in 2017.1 to display the “Become a Tenant” button on the login page. Set it to false to hide the button

For 2018.1, the initial value from web.config is copied into the DB after the DB is created and can only be changed from Tenant Management page

Packages path “NuGet.Packages.Path”

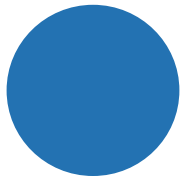


Packages published by UiPath Studio to Orchestrator or manually uploaded from the Packages page are stored by Orchestrator in a NuGet feed. Orchestrator has it’s own (built-in) NuGet server, but can also use other NuGet feed



Packages managed by Orchestrator’s NuGet server can be stored on the local drive or on a network share

When multiple nodes of Orchestrator are used, all should be able to access the same packages path; or synchronize the folders if each Orchestrator node uses a different folder



When Deployment URL is non-empty in Settings -> Deployment, then it will be used instead of NuGet.Packages.Path

Activities path “NuGet.Activities.Path

A great place to host different versions of activities, used by different
processes. The robots will download the activity packs that are
missing, from this location, when they need it

Feature used when Robots don’t have internet access to download
the activities from UiPath’s Gallery

Activities should be manually put in the location indicated by this application setting. Orchestrator will not download activities. Orchestrator does not need internet access

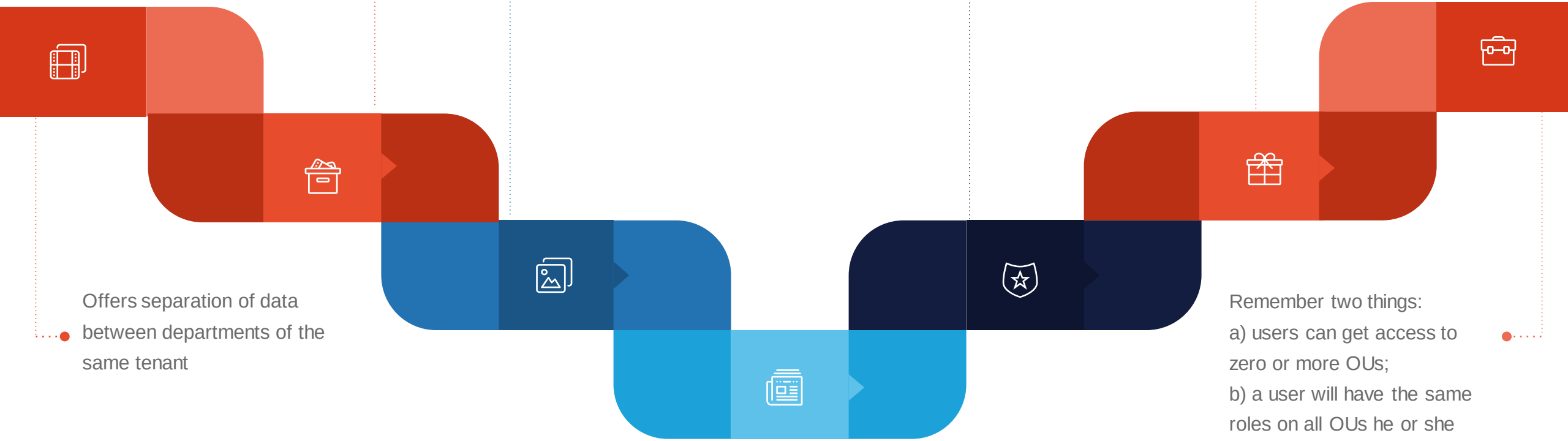
Organization units

Separation is ensured for all the pages that appear when using the left side menu

Use of Organization Units is not enabled by default. Change *OrganizationUnit.Enabled* to true.

When enabled, the new menu item Units appears in the administrative menu

The “Default” organization unit is created and used even when the feature is not enabled.



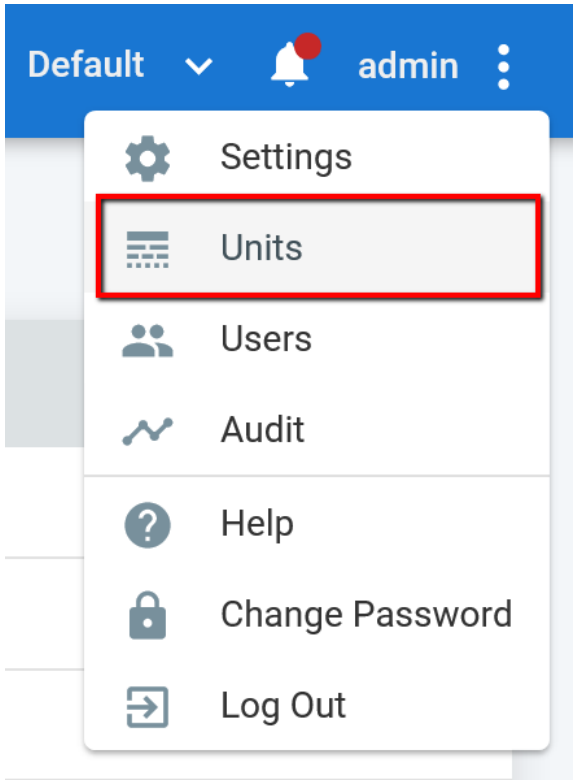
Offers separation of data between departments of the same tenant

Remember two things:
a) users can get access to zero or more OUs;
b) a user will have the same roles on all OUs he or she has access

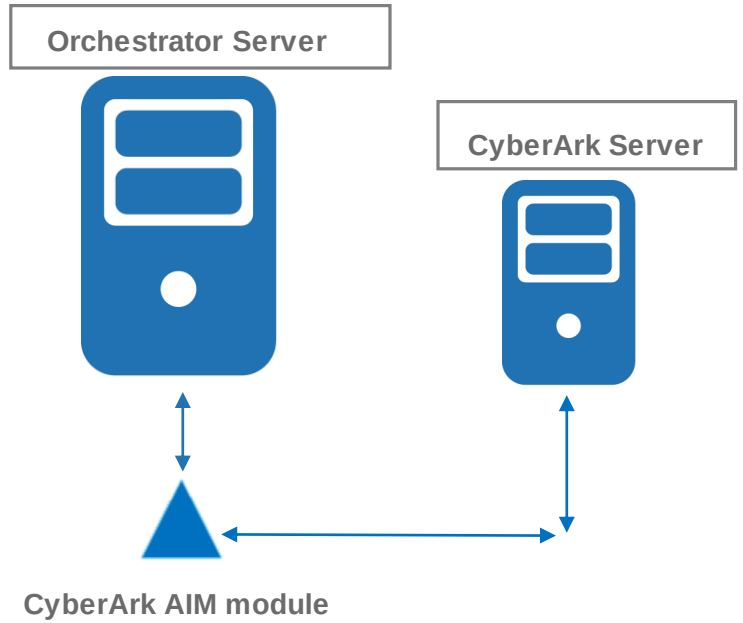
CyberArk

- Integration with CyberArk is implemented through the use of CyberArk AIM module on the same server as Orchestrator
- Orchestrator integration with CyberArk is for robots' passwords only
- The following keys need to be set in web.config: the value for *Vault.Type* should be "CyberArk" and the other 3 keys starting with *Vault.CyberArk* need to be set with values obtained from CyberArk administrator

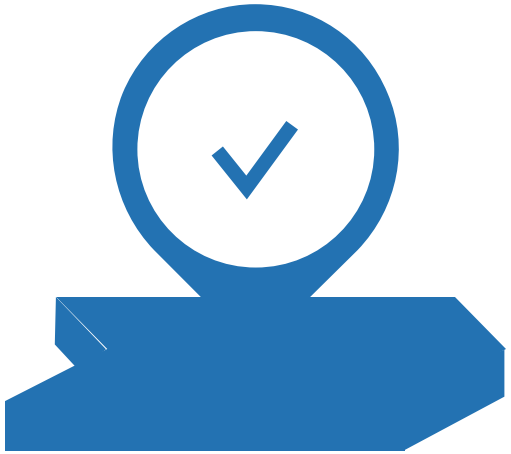
Organization units



CyberArk



Terms and Conditions

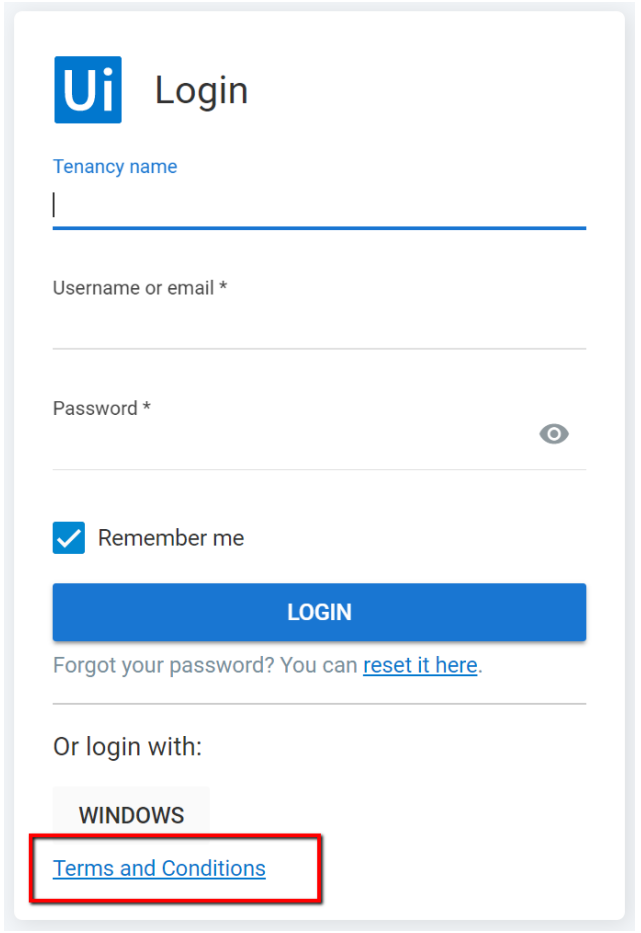


TermsAndConditionsRegisterUrl allows

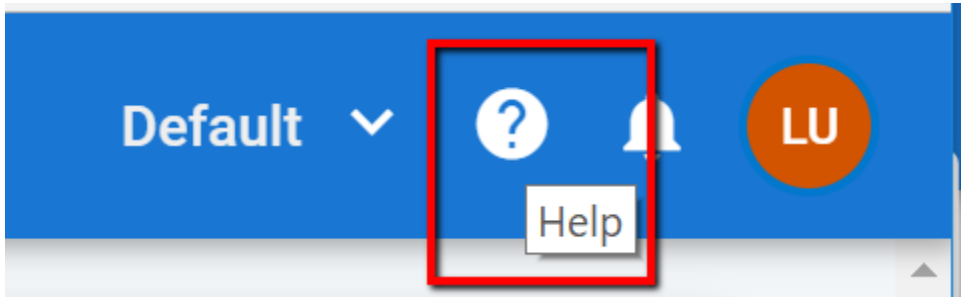
you to change the URL that is used when the

users click on “Terms and conditions” link

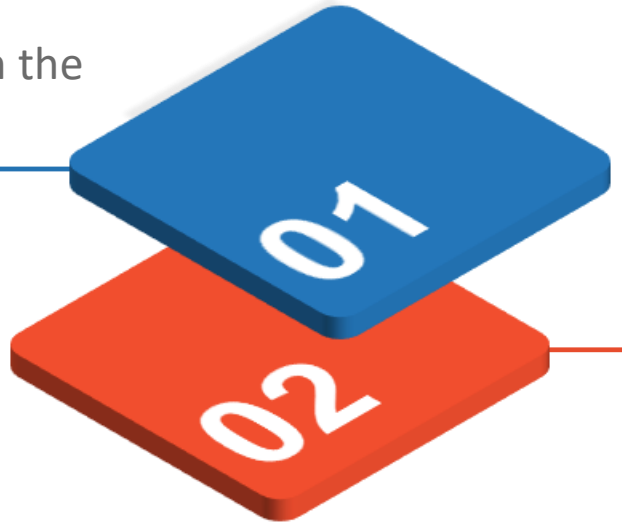
on the login page.



Help URL



HelpUrl allows you to change the URL that is used when the users click on *"Help"* icon in the upper right corner.



The value is global, for all tenants.

Thank you!

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