

What's New

7.0 (RC)

New Features

- Work item assign feature added for work sharing.
- Full text search and task tagging in work list.
- RTL layout added.
- Hebrew translation added.
- Action completion feedbacks notifications.
- Async scripting support added.
- Allow delegation option has added to task design to accidentally sharing privacy sensitive task.
- Automatic task tagging feature added.
- Shared script modules added.

Improvements

- Digital signature compatibility fixes with other API's.
- Application metric collection performance improved.
- Javascript engine updated for ES7 compatibility.
- Tag colors improved.
- Database Import and Export methods now supports the Map function for sub queries.
- Content type xml schema consistency is now enforced.

System

- Xml database replications are now disabled by default.
- Redis cache improved. Some timeout related errors fixed.
- Host administration port moved to 7180 because of conflicts with other applications.

6.6

New Features

- 2FA authentication
- S3 compatible file storage replication
- Workflow data replication for reporting
- SMS service integration

Improvements

- Office365 compatibility improved
- Automatic cache invalidation for load balancer scenarios

System

- Migrated to dotnet 6.0
- OpenAuth service account support

6.5

New Features

- Case milestones added.
- Audit logging and search
- Antivirus scanning integration with <https://www.clamav.net/>
- Form designer data model is now automatically generated
- Code editor re-built from scratch
- Html editor re-built from scratch
- Domain based IP restriction
- Row Content flex layout for vertical layout
- VoIP phone integration

Improvements

- Digital signature compatibility improvements
- Background jobs usability improvements
- Case tagging usability improvement

System

- Migrated to dotnet core 5
- Docker images updated

6.1

New Features

System

- Customizable dashboards. Process dashboards are now can be used as navigation menu item.
- Team channels. Interactive group conversations, file and media sharing.
- Case management. Case and issue tracking for non-static processes.
- Time tracking on individual cases.
- Channel webhooks
- Mail monitoring. Automated case handling for email addresses.
- Web hooks.
- Upgraded to DotNet Core 3.1
- Security related improvements.
- Deployments are now uses single file executable.
- Full async execution for system utilization.

Designer

- Case handler task types.
- Data masking for GDPR regulations.

User Interface

- Video calls for co-working in remote operations.
- General GUI performance improvements.
- Activity stream replaced with channels.
- Custom navigation menu with dashboards

6.0

New Features

System

- DotNet Core 3 migration. Emakin server is now supports running under the [Docker](#), Windows and Linux operating systems.
- GDPR Consent opt-in registration implemented.
- Security related improvements.
- Digital signature creation helper methods added.
- IIS Dependency removed, Emakin now uses high performance "[Kestrel](#)" web server.
- Clustering and job sharing performance improved.
- Asynchronous execution for better CPU utilization under heavy load.
- Cookie-less temporary authentication support implemented for embedding emakin in a web page.
- Overall system performance is improved up to 6x.
- Domain operations are now performed in [host administration](#).
- Scope based authentication checks added for improved security.
- [Keycloak](#) service integration added.

Designer

- ISO8601 duration (ex: P3Y6M4DT12H) format support added for relative dates.
- CheckList control added.
- Task reminder and deadline duration is now supports more flexible periods.
- Action comment policy (Required, optional, hidden).
- Mail type task module.

- Work item sharing.
- Role definitions now uses decision tables for easy assignment.
- Action comment policy (required, optional, hidden) added.

User Interface

- Document archive profiling added. Now you can attach profile information to document for search by fields.
- OCR enabled full text searching for scanned documents.
- Work list now shows the who is currently locked the work item for team tasks.
- Identity number check on digital signatures.
- "Shared with me" label added.
- Spanish localization added.
- Dropdown lists now supports the filtering for large number of items.
- User experience updates.
- General GUI performance improvements.
- Organization editor performance improved.
- My Organization panel added for regular users.

Mobile

- User experience updates.
- Push notifications.
- Performance improvements.

5.1

New Features

System

- System configuration moved to database.
- File system based file repository.
- WebServiceProducer module task removed.
- Domain based password complexity policy.
- Organization login captcha support.
- User password policy
- DotNet Core migration preparations.
- Log system improved.
- Performance improvements.
- Database text type converted to varchar(max) for sql server.
- Configuration tools moved as agent command line helpers.
- SMTP connection compatibility improved for cloud e-mail services.
- Database schema restoration is now only performed for table columns.
- [Decision services](#)
- Switched to .Net Framework 4.7.1
- App performance metrics implemented

Designer

- Repository query "Max(A)+Count(B)" like expressions for aggregations.
- Color picker palette changed to material ui colors.
- Usability updates
- Context based help documentation
- XPath auto completion
- AllowForwarding option added to tasks.

User Interface

- Left navigation menu customization.
- Feature configuration to disable system features like search, forwarding etc.
- Date range picker for data time fields.
- Graphical organization database editor.
- OrganizationUnit Manager field added.
- Version number is now can set before committing changes.
- User profile page improved.
- Worklist filter improved.
- Organization templates updated.
- Administrative pools now uses different icon for usability.

5.0

New Features

System

- Home dashboard implemented.
- Dashboard designer implemented.
- Calendar half day holidays support.
- Theme customization implemented.
- High performance new widget system.
- MSDTC dependency has removed.
- Postgre database compatibility implemented.
- Database migration tool implemented.
- Bearer header support added to RPC calls.
- Log outputs improved.
- Background jobs now uses async thread pool for better CPU utilization.

User Interface

- Worklist tags now shows work item counts.
- Completed instances are now archived in worklist.
- Generic positions now can be used assign permissions in organization wide.
- Work item search criteria improved to include process and user based filters.

Designer

- Code editor improvements.
- RowContent color options added.
- New Query control implemented to fetch data from multiple data sources.
- Xml data view improved.
- Form based stylesheets implemented.
- \$Database.Get method implemented for client side form scripts.
- FlowContent is now automatically upgraded to RowContent.
- Scripting modules implemented.
- Process version commit changes button now shows the diff view to compare changes.
- Commit changes button now allows the save changes to another version.
- Process activity log added to view process change history.
- Repository table indexes implemented.
- Repository static criteria added to relations.
- Database queries now allows to use relative date time expressions in criteria.

Bug Fixes

- Label boolean value formatting fixed.
- Responsive layout fixes for modal dialogs.
- Xml data copy operation bug fixes.
- Uploaded file names incorrectly handled when non-ascii characters are used.
- Web socket notifications async call bug fix.
- Oracle adapter bug fixes
- Registry number now displayed for identity search results.
- Load balancing issues fixed.
- PDF converter tool upgraded.
- Browser compatibility fixes.
- Excel format compatibility fixes.

4.5

New Features

- Rest service invocation support for scripting. (See [\\$Rest](#))
- Google Drive and One Drive integration.
- Google Calendar and Office 365 Calendar integration.
- Service account support for open auth services.
- Camera support as file attachment.
- Query designer.
- Performance improvements for repeating controls like Table or Repeating Content.
- Row rules for repeating controls like Table or Repeating Content.
- Activity heartbeat report.
- Message control for general usage.
- AutoSelectAll property for QueryContent control.
- Trigger method for rest service. (See [Rest Services](#))
- Low level job errors now reported to system administrator instead of domain administrator.

- Client side \$Calendar2 support added.

Bug Fixes

- Activity stream query performance increased
 - Bearer header support for rest services
 - Domain properties cache was not correctly invalidated.
 - Removing a folder incorrectly invalidates cache.
 - Full text indexing performance increased.
 - Instance completion was incorrectly handled.
 - Instance.Priority property now accessible from scripting environment.
 - Performance enhancement for large xml data set.
-

4.4

New Features

- New user interface and design
- User avatars now visible on work list
- Theme re-design.
- Smart priority ordering for Inbox
- Mail notification for delegated participants
- Command line configuration tool implemented.
- GetWorkItemData method added to rest service.
- Worker jobs now executed in time out limits.
- Instance number now visible on background job search results.
- Performance enhancements for Table and Repeating content controls.
- Embedded page "actions", "returnUrl" parameters added.
- IP restriction configuration on domain settings.
- Automatic update configuration support added.
- Date Format preference option added to user profile. (4.4.14)

Bug Fixes

- Design fixes for mobile devices
 - Domain properties cache now correctly invalidated.
 - Full text jobs disabled for module type tasks
 - Evaluate jobs throws exception for user type tasks
 - Timezone calculation corrected for work item search results.
 - Time data type now uses "HH:MM" format instead of full date time information.
 - BaseX tool replaced with java version.
 - Security enhancements against XSS type attacks. (4.4.9)
-

4.3

New Features

- OneToOneOrZero type relation added in relational databases to force left join queries.
- SingleSessionEnforcement configuration property added. If set to true; login operation to closes previous sessions from another browsers for same user.
- Scripting functions like database and web service calls now logged on job log.
- Section type row content control has collapsing property to collapse or expand form sections.
- ExpandingContent control deprecated.
- QueryContent and XmlQueryContent controls has validation group property to validate form rules before executing query.
- Process initiate animation added.
- Work list now has related folder name column.
- Background jobs now can be filtered with instance number.
- Background job state buttons moved to job details dialog.
- Work list inbox tag now sorted by scoring mechanism. Score is calculated from how long workflow instance started and how much time left by deadline date.
- While calculating roles, groups are no longer expanded to users while assigning task. Group members dynamically calculated.

Bug Fixes

- Minor bug fixes
- Module type work items deadline date now processed.
- Job log storage duration time reduced for non-critical jobs.

- PDF conversion timeout added as configuration parameter.
 - Server disconnected error message fixed for long operations when a action selected on work item.
 - License validation bug fixed.
-

4.2

New Features

- Desktop application support for digital signatures
- Rich text editor change tracking
- Event handling performance edhancements
- XPath extensions for scripting functions
- Job statistics dashboard added
- Full text indexing has now executed in time out limit.
- Activity instance caching implemented
- AutoSelectValue property added to drop down controls

Bug Fixes

- Minor bug fixes
 - Transaction timeout bug fixes
 - Telemetry version information was not correctly transported.
 - Obsoleted jobs now removed from system.
 - Reminder handling bug fixes
 - Folder dashboard cache is now cleared when process changes are committed.
 - "Workitem is readonly" error message is fixed.
 - License validation bug fixed.
-

4.1

New Features

- Domain security profiles
- Application Licensing
- Performance edhancements

Bug Fixes

- Minor bug fixes
 - Obsolete jobs now deleted from database
 - Bug fixes for localizing database fields
 - Database timeouts increased
 - Activity stream bug fixes
 - Literal template performance increased
-

4.0

New Features

- Rich text editor upgraded
- Oracle database support added
- Activity stream added
- Background jobs added.
- Page design updated.
- Kolay Imza integration
- Yearly calendar rule added.

Bug Fixes

- Minor bug fixes
- EventListener Module was not completing work items
- Loader bug fix for IE

- Security check for system processes
-

3.9

New Features

- Private data store registration
- Query aggregation (Sum, Count, Max..) type added.
- Market product licensing
- Responsive layout features for mobile devices
- File.Size property added

Bug Fixes

- Minor bug fixes
- Scheduled task limit moved to configuration
- Web service activation bug fixes