



Decisyon App Composer (DAC) Version 6.0 Release

Decisyon App Composer is *an agnostic Industrial IoT (IIOT) Visual Rapid Development Platform* with rich native microservices. Along with services from different PaaS platforms, DAC enables you to quickly and visually compose solutions using the best of breed of each platform.



Decisyon Enriches the Industrial IoT with Launch of Decisyon 6.0

SAN FRANCISCO – December 10th 2018. In our effort to continuously improve our technology and enhance the usability of Decisyon for both partners and users we are constantly upgrading our software with new back end and front end relevant features. The key highlights of **Decisyon 6.0** include:

- UI/UX based on Google Material Design Framework
- Web Application Organizer to manage and share any content available in your application
- Advanced users and role management directly on the web app console admin section
- Kanban drag & drop task-board to manage tasks and action in a clear and easy way
- New web GUI theme customization and white labeling
- REST / JSON data source was added to map any third party service or API and feed Decisyon widgets
- The Decisyon API has been extended to better integrate Decisyon with other application and allow administrator and developer to perform advanced operation.
- Compatibility with Java8, Java 10, PostgreSQL 9.6, Apache Tomcat 9
- Support to OpenID Connect as authentication layers other than LDAP, Active Directory, etc.
- Widget Designer improvements with SDK documentation and support for shared libraries.
- Widget Hub to easily download and upgrade new widgets to use in page designer

DAC's unified framework leverages its native microservices as well as all underlying PaaS services allowing the end user to share knowledge and collaborate around real-time data to arrive at faster and smarter decisions. Citizen developers, who desire further customization, have the power to tailor make the code in key areas of DAC.

In 2018 we have consolidated very strong ISV partnership in order to improve our functional capabilities as well as increasing our deployment capabilities.

Our Technology Partners:



GE Digital
Alliance Partner



SIEMENS

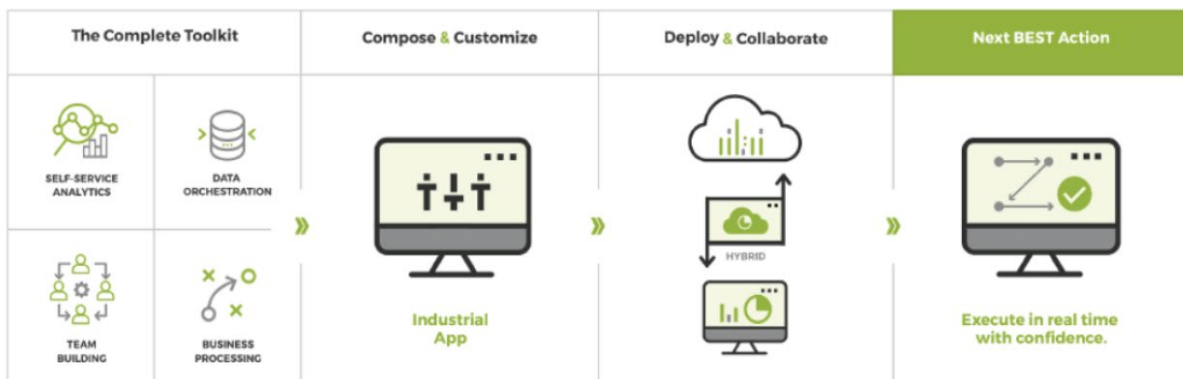


If you are a Decisyon customer please contact us to apply for an upgrade to version 6. If you are still not our partner please ask for an MVP quote to test our technology at this link <https://www.decisyon.com/mvpquotationform/>

DAC Key Features

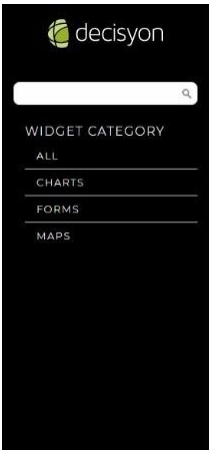
<p>Data Connectivity</p> <p>Use DAC's extensive collection of out-of-the-box connectors and API libraries to simplify integrating with third-party databases or applications.</p>	<p>Data ROLAP Virtualization</p> <p>Connect to relational databases, no-SQL databases, and enterprise applications in real time without having to replicate data.</p>	<p>Self-Service Analytics</p> <p>Empower you to perform BI anywhere, anytime, with a simple right-click. Create your analytical models and ingest 3rd party AI/ML algorithms.</p>
<p>In Context Collaboration</p> <p>Communicate with your key stakeholders in a unique, social and collaborative environment. Create taskboards starting from a single KPI.</p>	<p>Device Data Management</p> <p>Ingest data from a variety of protocols and streaming platforms (e.g., HTTPS, MQTT, SFTP, AWS Kinesis, Historian, etc.).</p>	<p>Alerting and Workflow</p> <p>Unify and automate your business rules. Extensive library to easily define temporal, geospatial or comparative rules for alert generation.</p>
<p>Users & Roles Management</p> <p>Apply a consistent governance and security model (SAML, OAuth) to your data using a flexible, role-based access control security framework.</p>	<p>White Labelling</p> <p>We provide a set of beautiful and contemporary themes that you can easily customize, or you can create your own (logo, app name, icons, palette, etc.).</p>	<p>Multi-Language App</p> <p>Set the language and time zones associated with each app and import the KPI dictionary. Segregate each configuration by user or team.</p>
<p>Widget Hub</p> <p>Use Assemblies of pre-configured building blocks that you can drag and drop into pages. Create and publish your custom widgets in the hub.</p>	<p>API & SDK Management</p> <p>REST/JSON data source interface to map any 3rd party service or API. Use DAC REST API to access DAC data and services.</p>	<p>Multi-App Console</p> <p>Leverage the multi-tenant environment to segregate and control app usage rights. Administer all your apps from a unique web point of access.</p>

All in the Box: From Data Aggregation, Insight to Decision and Action



Main Decisyon 6.0 Upgrades

Widget Hub



CHARTS

HEATMAP

THIS WIDGET IS A SPECIALIZED CHART THAT USES COLORS TO REPRESENT DATA VALUES IN A TABLE. YOU WILL FIND IT MOST USEFUL WHEN YOU NEED TO PLOT LARGE AND COMPLEX...

HEINRICH PYRAMID

THIS WIDGET PROVIDES A VISUAL DESCRIPTION OF THE RELATIONSHIP BETWEEN OCCURRENCES AND MORE SERIOUS INCIDENTS AND ACCIDENTS. IT ALLOWS TO DEFINE VARIOUS LEVELS...

The **Widget Hub** is now released and allows system administrator and application developers to:

- Explore the dedicated catalog of new widgets
- Read the documentation of each with details such as required data sources, in & out parameters etc.
- Easily download widgets
- Get notified about new versions
- Restore an old version of an upgraded widget
- Download widgets compatible with its own installed DAC version
- Clone the widgets code and apply customizations.

Using the Widget Hub the widget lifecycle will be separated by the App Composer lifecycle, helping you to build applications faster and use new features or bug fixing specific to widgets. Below you can see the 3 most relevant new widgets available:

3D CAD Navigation Model

Supervised Decision Tree Workflow

Heat Map

Widget Designer



Widget Designer is a powerful online development environment that provides a feature-rich toolset to build complex widget to enrich and extend applications. The development environment is based on Angular and can be extended with any third-party services and front-end libraries. Using Widget Designer, developers can create custom widgets with complex workflows that meet clients custom requirements. Once created and published, custom widgets will be available in the widgets palette in Page Designer. It's also possible to create and share libraries that can be reused by multiple widgets.

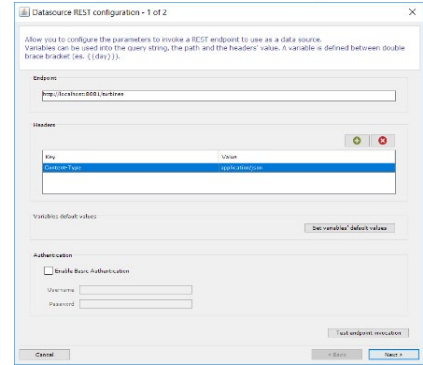
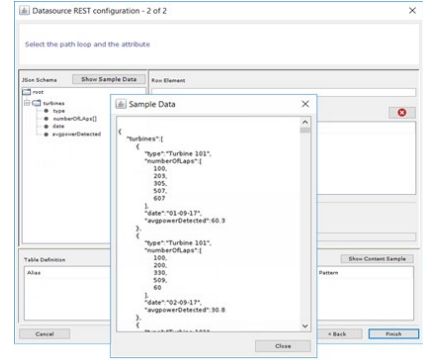
The Widget Designer has been enhanced with: easy to use SDK documentation, improved grid layout, added support for shared libraries, associate to widget reports without metric, new definer "color" to be used as exposed property in the widget and other minor enhancements.

REST Data Source

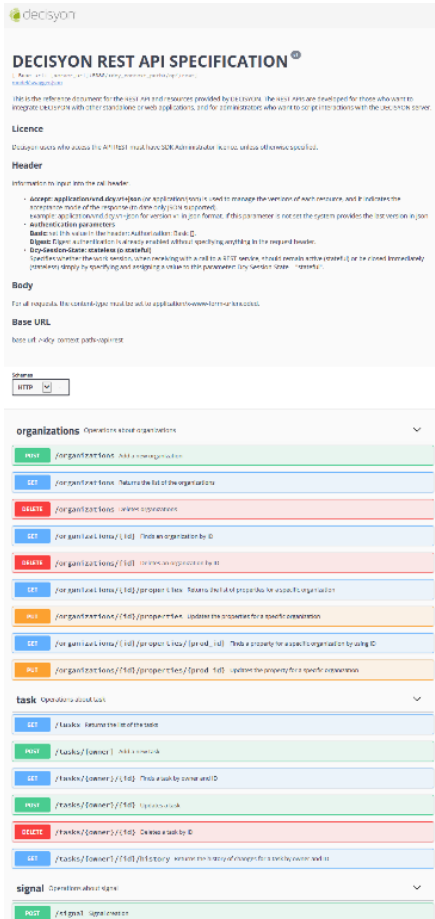
Natively call REST API straight from DAC data sources, without needing complex software development tasks to retrieve data: it allows you to connect and integrate your app with external ones.

The new REST / Json data source was added. Using this data source you can map any third party service or API that use HTTP protocol and JSON Payload. Once the connection is established, you can map the JSON as a standard table and define the datatype for each column, without coding!

- HTTP GET request with JSON payload
- Support both HTTP and HTTPS
- Configure headers for the request
- Basic authentication
- Support to Decisyon parameters to make the HTTP request dynamic based on parameter values
- Map the JSON as a table and define the datatype for each column
- Use the data source as any other data source available in Decisyon



Decisyon API

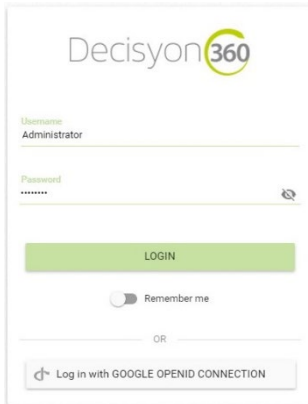


The set of Decisyon API has been extended and you can leverage them to integrate Decisyon with third parties application or to create scripts for common administration tasks, like automatic user management. You can quickly download API definition and import them in Postman to test them. The API are available both for HTTP and HTTPS; SDK license is required.

You can also use Decisyon API as a source for the new REST Data Source.

API covers the common operations (create, read, modify, delete) for the following objects:

- Organizations
- Authorization groups
- Authorization roles
- Users
- Tasks
- Signals
- Applications
- Pages listener
- Reports data
- Workflows
- System information
- Licenses
- Execute alerts, program, notification, refresh and data integration.



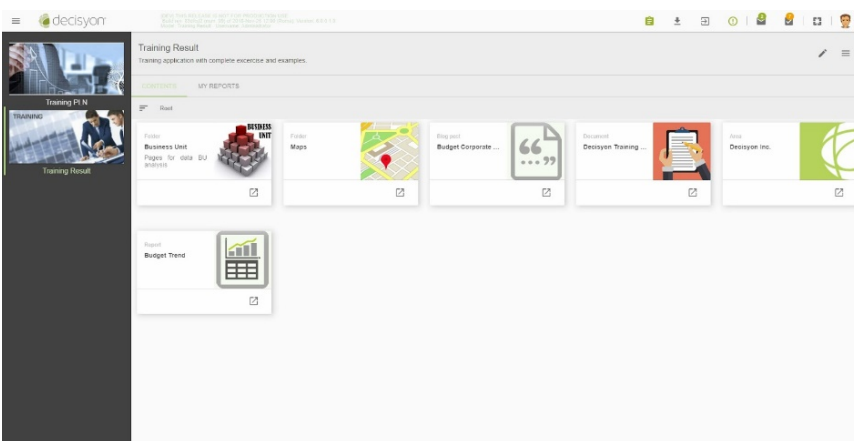
Open ID User Connect

Decisyon now supports OpenID Connect as authentication layers both for end-user and Design Studio administrators. With this layer, users will be authenticated in Decisyon using any third-party identity provider that supports OpenID Connect, in example Google, Pivotal Cloud Foundry UAA, Microsoft Azure Active Directory etc.

To use the new layer you just have to configure at least one OpenID Server in Decisyon Design Studio and login with the dedicated button in Decisyon Web.

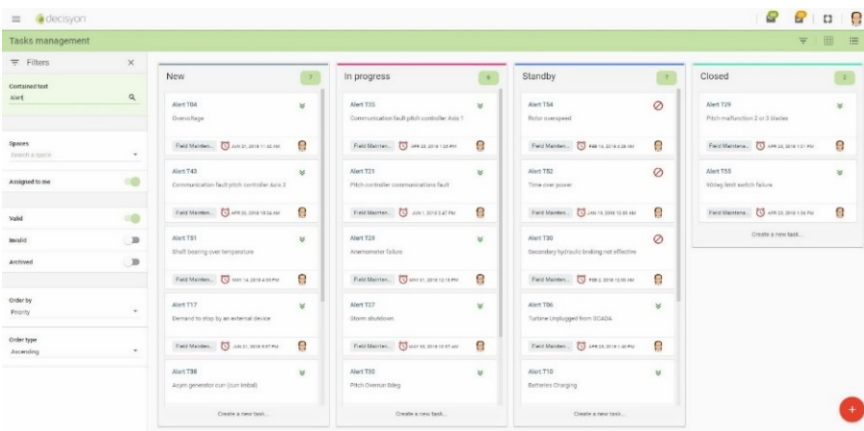
UI/UX based on Google Material Design

Decisyon 6 adopted Google Material Design guidelines as UI an UX framework and any user interface in Decisyon Web is going to be redesigned. The new material design UI released with Decisyon 6 are the following:



- Login screen
- Landing Page
- Sidebar
- Header
- User profile settings
- My Spaces
- Task-Board and task list
- Web Application Organizer
- User management
- Organization Management
- Authorization Group
- Favorites
- Recent
- Page's navigation tab.

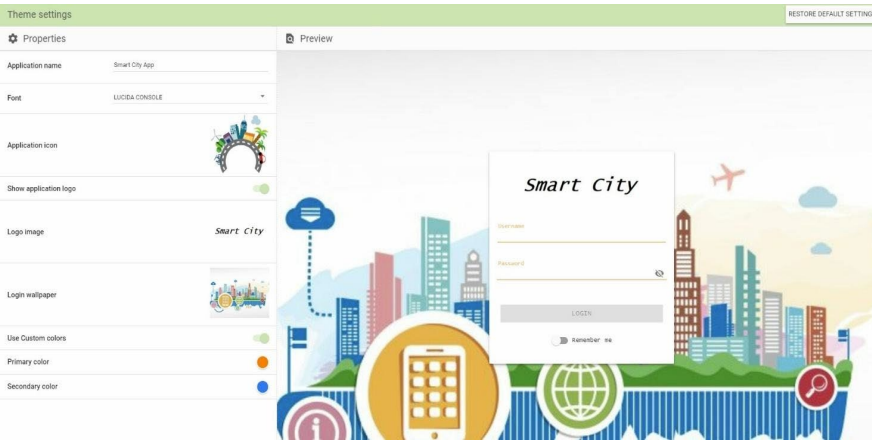
New Task Board for Collaboration



The tasks have been completely redesign and extended creating a Kanban task board to easily monitor the progress of your work. You can drag and drop tasks to change its flow.

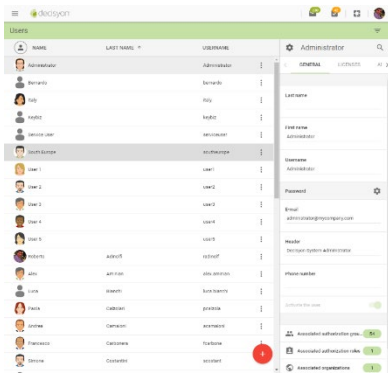
- Quickly create task using the FAB (Fast Action Button)
- Added hours and minutes as part of due date
- Added support to time zones
- New field Solution where you can specify how the task has been solved
- It's now possible to archive or delete a task
- It's now possible to set a task as invalid
- New task list UI
- New UI for task's comments
- Added a new panel for advanced filters
- Priorities are now called "Trivial, Minor, Major, Critical, Blocker"

White Labeling and Theme Customization



The theme settings page allows system administrator to configure logos, colors and settings of web instance in an easy and effective way. A dedicated “preview” allows to verify the impact of the changes you are working on.

- Set an application name
- Apply a specific font family
- Use a custom application icon
- Use a custom logo
- Apply a background picture in the login page
- Select primary and secondary colors that will be inherited from many UI components and widgets

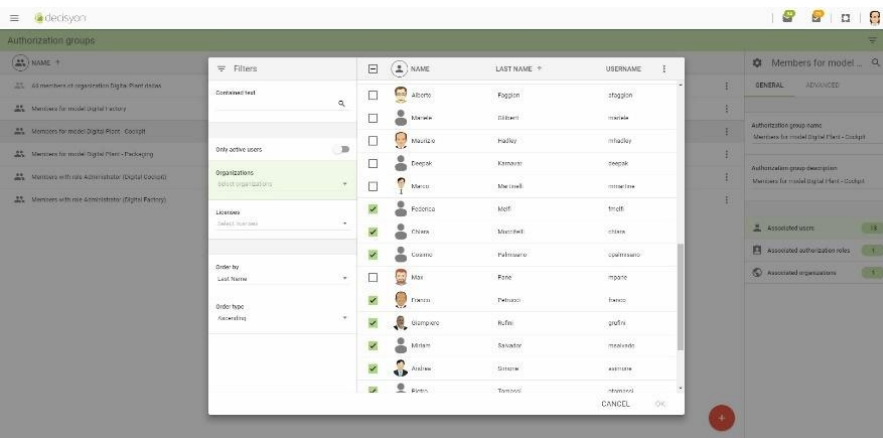


User Management Moved to Decisyon Web (DAC RT)

The user management editor, which used to be included in Decisyon DT, is now available in Decisyon RT. Administrators can now easily manage users directly from the WebApp without using the DAC-DS.

You can also manage users association to groups, role and organizations.

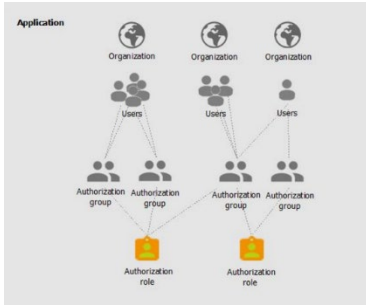
Organizations, Authorizations Groups and Roles



Decisyon 6 introduces the new entities of organizations, auth groups and roles that allows complex organization to better map authorization and security requirement with less maintenance effort.

An **Organization** is an entity useful to segregate and profile the platform functionalities (applications, users, authorization groups, security filters, etc...). For example, an organization could be a set of plants in a corporate, departments in a company, countries or regions, business units, etc.

Each organization can be further segregated using **Authorization Groups**. An authorization group is a collection of users belonging to one or more organizations. Authorization groups are used to authorize a set of users to application functionalities and objects; they could be used to easily manage authorizations to a group of similar users rather than to a single user. Each authorization group could contain multiple users and could be associated to multiple application **Authorization Roles**.



An authorization role is a collection of application functionalities. Authorization roles are used to define access rules to application specific objects and functionalities, like security filters, reports, pages etc. Each authorization role could be associated to one or multiple authorization groups.

By combining Decisyon entities, you can model your company organization to configure the proper authorization required by the applications you are building.

Application Organizer Moved to Decisyon Web (DAC-RT)

Application organizer previously available in Design Studio is now available in Decisyon Web and its functionalities extended. The new Web Application Organizer feature is available from the application settings in the landing page and it allows to:

- Publish any contents created with Decisyon in the application organizer of an application and in the landing page: Pages, Reports, Documents, Blogposts, Social Spaces, Planning Processes
- Organize contents in landing page in folders
- Hide specific content from the landing page
- Set description and the picture of contents
- Display advanced info information about a content.

Now it will be easier and faster to publish, open and consume different contents in the same application.

Design Studio Enhancements

Several enhancements were applied to Design Studio to improve and optimize the tasks required to build an application. The most relevant ones:

- New login screen
- Welcome screen to display the recent modified objects
- Menu item and toolbars simplified and redesigned
- Redesigned Page Preview
- Reload report metadata without logout and login from web application
- Show parameter imported and export for each widget in page designer
- In the reports you can disable only specific security filters
- It's now possible to add a description for the report.
- Application synchronization is more robust.

Name	Type	Last edit	User
Training Result	Application	18-12-2018 11:35:58	Administrator
Role related to Administrator	Authorization Role	10-12-2018 12:32:36	N/A
Next	Page	23-11-2017 12:26:23	Administrator
New page	Page	23-11-2017 12:26:15	Administrator
J Api Groups	Program	20-07-2017 17:04:51	Administrator
J Wait 4 seconds	Program	20-07-2017 17:04:38	Administrator
Document Searcher	Page	13-06-2016 16:01:30	Administrator
Country Info Step 1	Page	13-06-2016 16:01:29	Administrator
Template Designer Es3	Page	08-06-2016 15:16:06	Administrator
Sales per Country Template Es3	Report	08-06-2016 15:16:05	Administrator
Application organizer	Application Organizer	07-06-2016 16:10:48	Administrator
Template Designer Es4	Page	07-06-2016 16:10:12	Administrator
Template Designer Es3 drill	Page	07-06-2016 16:10:11	Administrator
Template Designer Es2	Page	07-06-2016 16:10:09	Administrator
Template Designer Es1	Page	07-06-2016 16:10:08	Administrator
Sales per Country Template Es4	Report	07-06-2016 16:10:07	Administrator
Sales per Country Template Es2	Report	07-06-2016 16:10:06	Administrator
Sales per Country Template Es1	Report	07-06-2016 16:10:06	Administrator
Report Presentation	Page	07-06-2016 16:10:05	Administrator

About Decisyon

Our products accelerate your data journey from aggregation to visualization, insight, analysis and decision thru action. Decisyon offers the leading code free visual software development environment for mission critical enterprise operations requiring real-time awareness and adaptability to their business operations and processes. We have developed and deployed many vertical solutions for the manufacturing, renewable energy, aviation, pharmaceutical, financial services, transportation and automotive industries. With built-in microservices such as data management, BI, dashboarding, rules engine, collaboration and execution, Decisyon offers a dramatic increase in speed to outcome for building and modifying vertical solutions. Decisyon's products and software solutions, ideally suited for IIoT applications running on any PaaS, are used in over 200 companies globally.

Corporate HQ

795 Folsom Street, 1st Floor
 San Francisco, CA 94107
www.decisyon.com
sales@decisyon.com

Apply for an MVP quote to test our technology <https://www.decisyon.com/mvpquotationform/>