

Clarity Modern UX Admin

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Clarity Administration - Agenda

- Object and Attribute Configuration
 - Projects, Ideas, Custom Investment Types, Custom Objects
 - **Custom Attributes**
- **Blueprint Configuration**
 - Configuration of views and modules to accommodate different business units and/or different investment characteristics
 - Business Rule Configuration
 - Actions
 - Create from Template
- **Attribute Options**
 - Field Level Security
 - Labels
 - **Tooltips**
- Audit
 - Display audit values



Clarity Administration - Agenda

- System Settings
 - Branding
 - Login Message
 - Homepage
- Users
 - Add or edit users including security groups.
- Engaging with Clarity Product Management
- Appendix:
 - Reporting
 - Reporting Architecture
 - Reporting Options
 - Authentication Keys



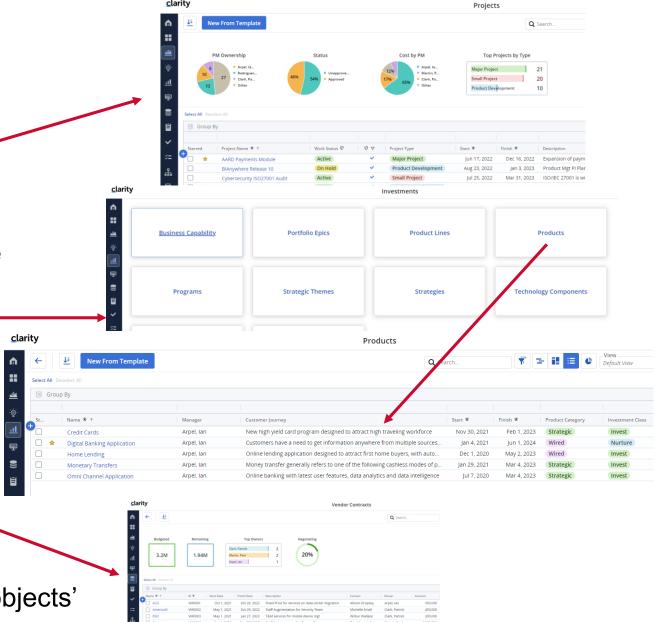
Object and Attribute Configuration



Object Configuration

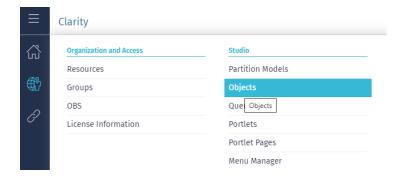
- Objects:
 - Projects and Ideas: Out of the Box Clarity investment objects
 - Custom Investment Types: Configurable investment objects with staff, financials, tasks, status reports, risk, issue, change, etc. Your organization determines the objects along with the appropriate taxonomy
 - Custom Objects: Configurable objects that allow for creation of a 'table' of information

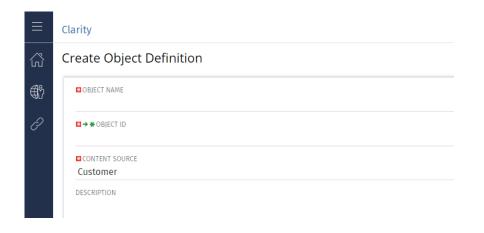
** all object types support the creation of 'sub objects' and sub-sub objects





All Objects are managed via Clarity Studio





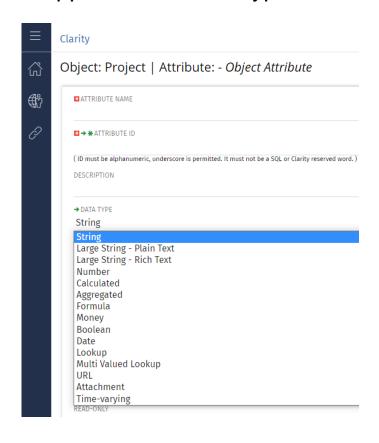
For Custom Investments, specify 'Investment Extension'



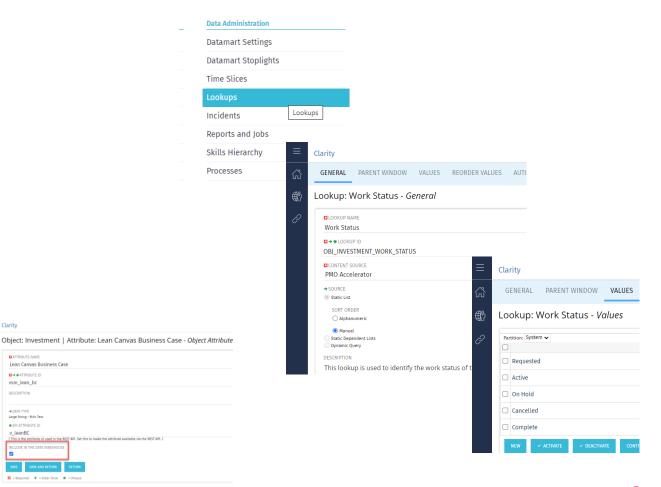


Attribute Configuration

Supported Attribute Types



Configure List of Values in Lookups





ATTRIBUTE NAME

vsm lean bo

Large String - Rich Text v_leanBC

DESCRIPTION

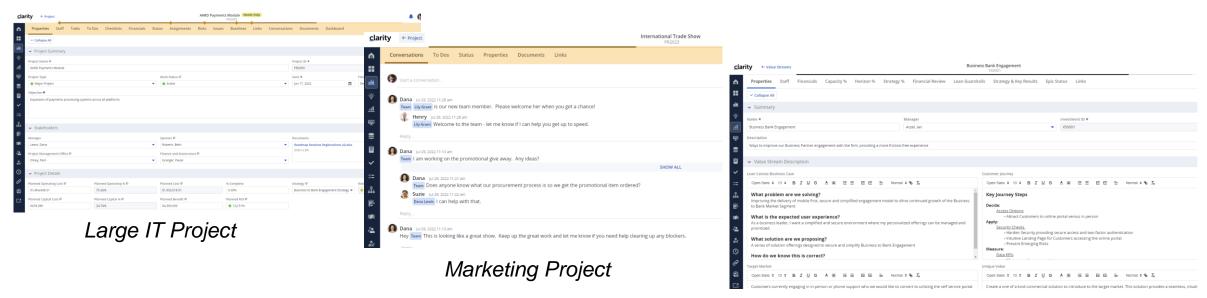
Lean Canvas Business Case

Blueprint Configuration



Blueprints - Properties

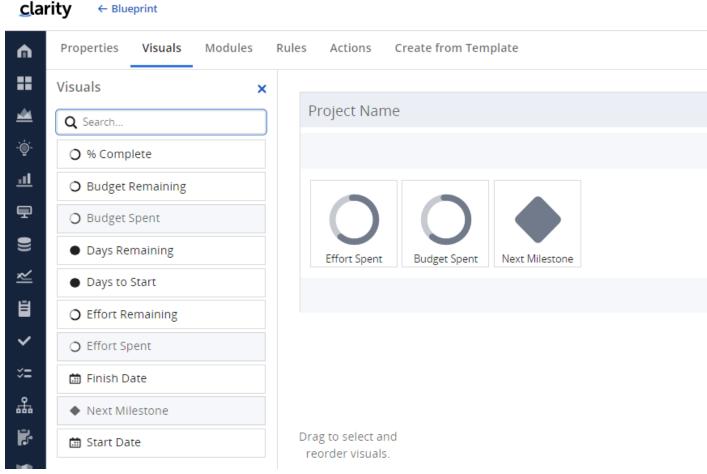
- Blueprints provide the capability to configure layouts for different types of investments. Blueprints
 will be specific to an investment/object type, but there can also be multiple blueprints for each
 object type (e.g. project) to represent the unique requirements for different areas of the business
 (or size/scale of the investment, e.g.)
- Properties control what sections and fields are on main properties page for that object.





Blueprints - Visuals (project)

Visuals on project blueprints only control the visual widgets on the project tiles

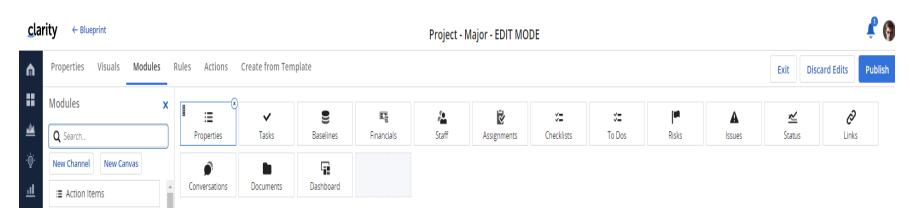




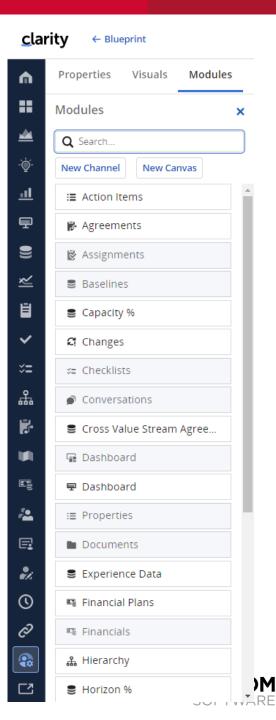


Blueprints - Modules

- Modules control what tabs are available on an object
 - Pre-built modules from Broadcom, sub objects, channels (max 50)
 - Sub-objects
 - Channels (smart links to other solutions or Clarity classic)
 - First 4 modules appear on Project Tiles
 - Drag and drop
 - Click on a module to edit the "Details flyout"

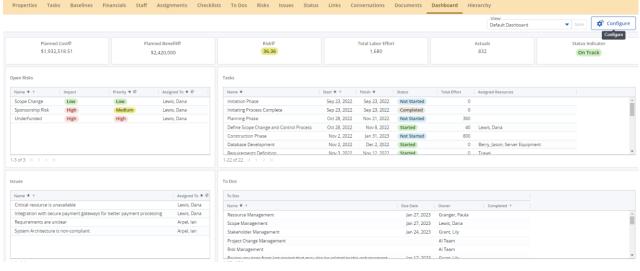


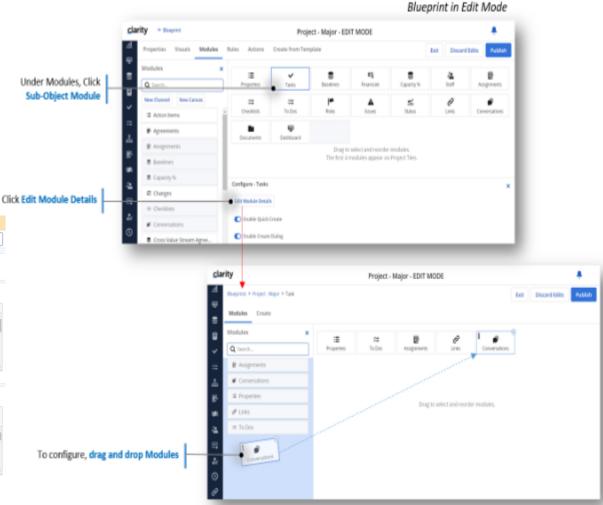
Blueprint Modules



Blueprints - Modules Details & Canvas

- A sub-object will appear as a module
- Edit "Details" by selecting the module
- Canvas is a new tab of multiple items
 - Identify what can be placed on the canvas.





Project Dashboard - Canvas



Blueprints - Channels

- Use Channels to enable external content
- SSO supported
- Channels to Clarity classic use parameters to hide menu (Phoenix UI theme required)
- Dynamic parameters based on object ie: project, idea, etc

You can use these parameters to construct dynamic content inside your channels

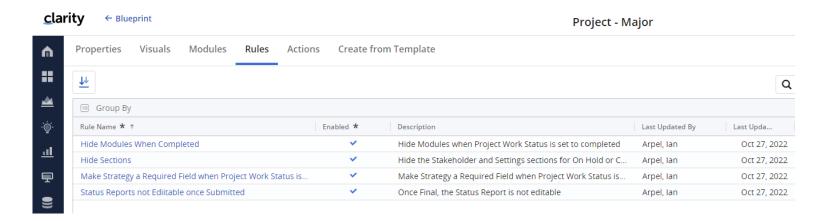
- project id = \${_internalId}
- projectCode = \${code}
- project name =\${name}
- project manager =\${manager}
- logged in user =\${_userId}
- logged in user's internal user ID 5 million number=\${_userInternalId}
- logged in user's internal resource ID 5 million number=\${_resourceInternalId}

Blueprint Modules



Blueprint - Business Rules

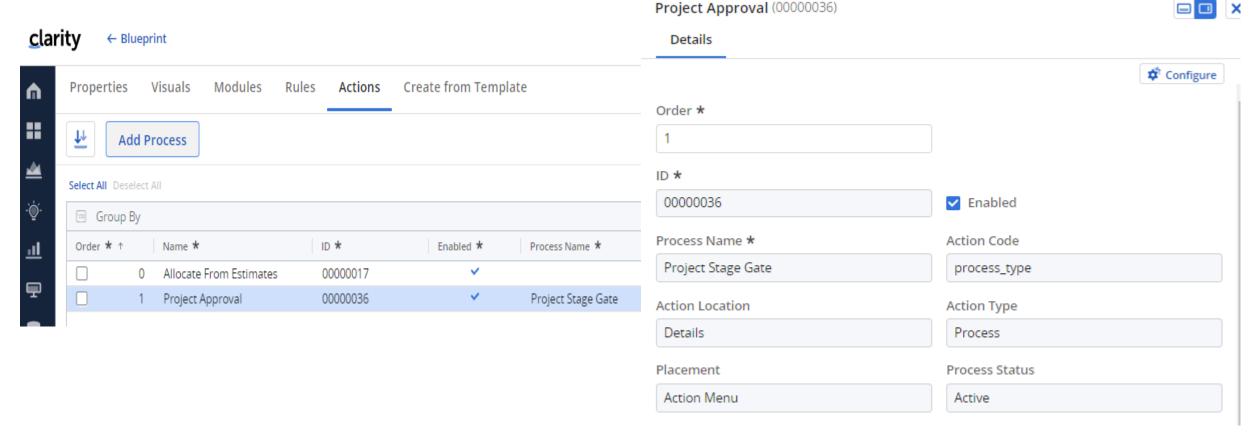
- Business Rules are configured as part of the Blueprint, and provide the ability to tailor the end user experience based on certain conditions being true, for example:
 - Hide modules, sections, or actions based on certain conditions
 - Make an attribute required for investments using this blueprint
 - Make an attribute required based on certain conditions
 - Disable editing a record based on certain conditions
 - Disable editing certain attributes based on certain conditions





Blueprint - Actions

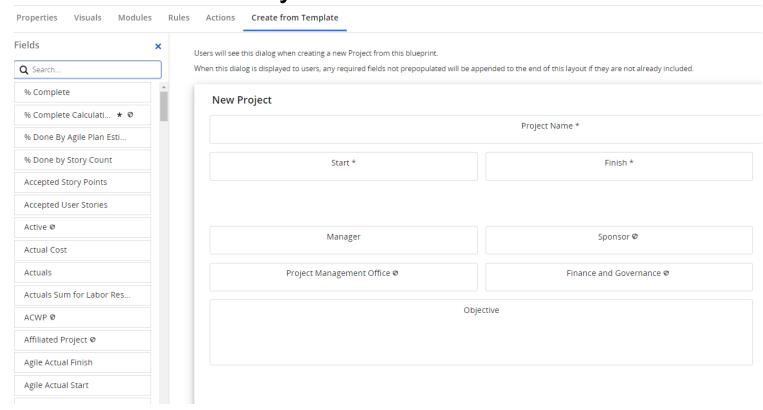
- Actions are configured as part of the Blueprint, and provide access to processes.
- Actions can be controlled by business rules





Blueprint – Create from Template

- Create from Template allows you to define the create page for an object
- Required fields for object should be displayed or defaulted
- Minimum fields necessary to initiate a new "investment"



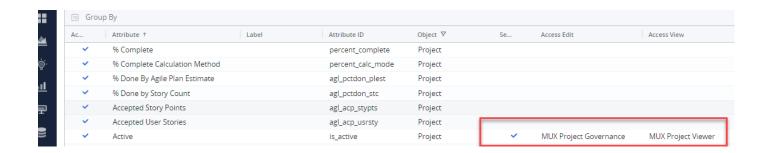


Attributes

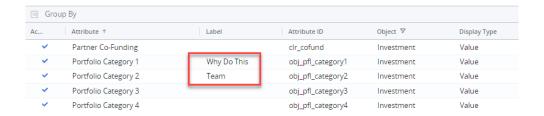


Attribute Options: Field Level Security; Labels; Tooltips

Field Level Security



Labels



Tooltips



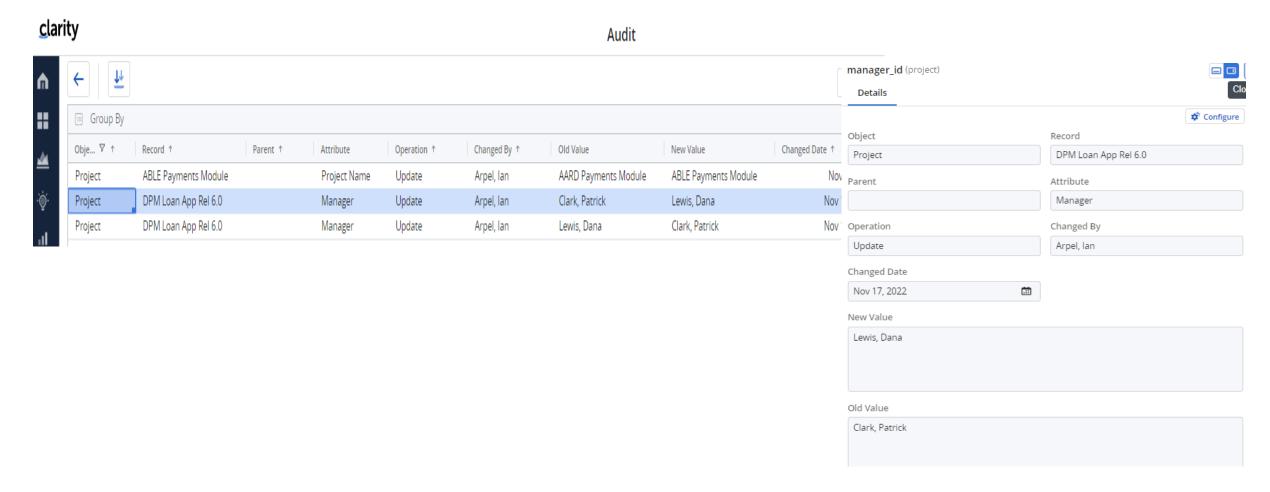


Audit



Audit

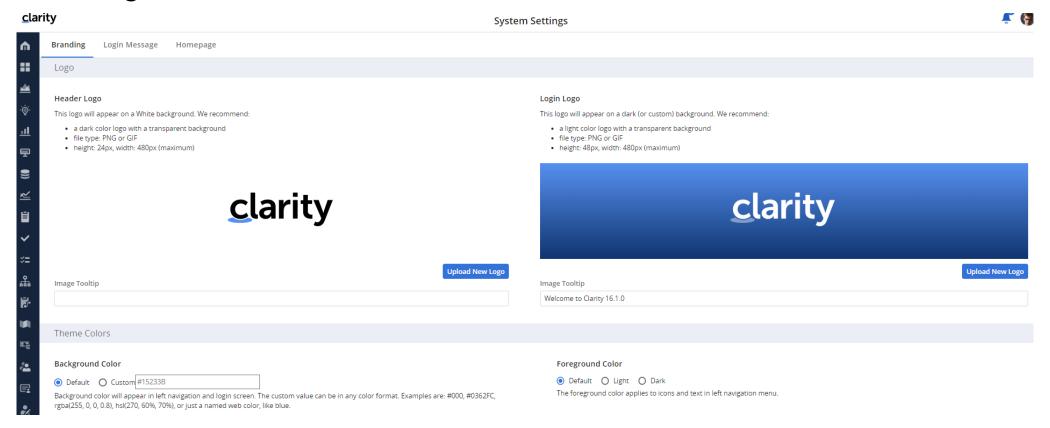
Displays audit values by object







Branding



Brand the header pages and the login logo



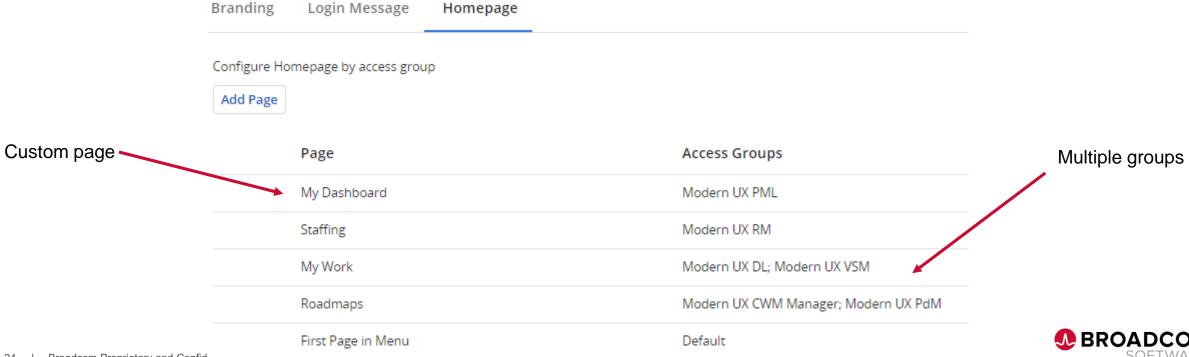
Login Message

Create a custom login message that appears as a flyout after login

clarity Schedule the message Sys1 Branding Login Message Homepage Type of message O Disable O Enable O Schedule End ... Severity to drive attention ... Type Severity Info Toast Attention Days to delay before message **Toast Options** Success Body * Attention WELCOME TO CLARITY 16.1.0 GA Caution Danger Delay Before Dismiss (seconds) The Toast message will be displayed to all users after login. Toast messages do not block user navigation and page interaction. Severity - controls the icon and color applied to the message. Duration - time until message disappears (default 5 seconds).



- Homepage
 - Define a homepage by access group
 - Not defined by individual at this time
 - Clarity system Pages or custom pages
 - If a user belongs to more than one group, they will see the first in sequence

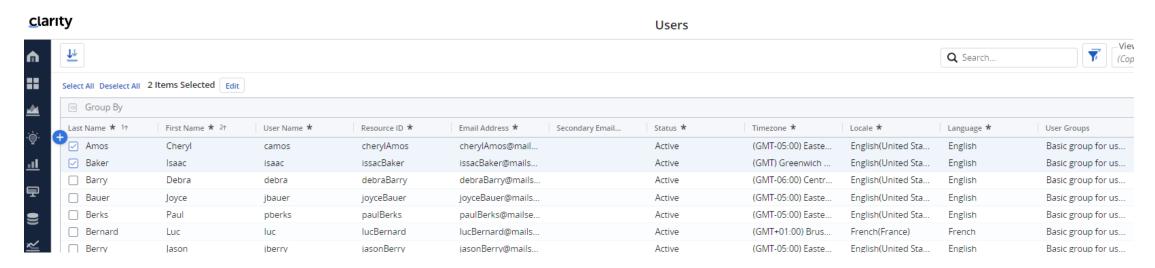


Users



Users

- Users page
 - Add or change users basic information
 - Can change security groups
 - Can inactivate a user
 - Mass edits





Engaging with Clarity Product Management



Stay Engaged with Us

Weekly	Monthly		Quarterly	Semiannually
Office Hours 40 attendees Relationship-building open conversations between customers & Product Management	Roadmap Review 110 attendees Gives customers confidence & validates our strategy	200 attendees Drives awareness & adoption by showcasing product capabilities	Release Preview 300 attendees Go-to-market for the release provides customers visibility to new features and capabilities	User Groups 600 attendees Regional meetings featuring customer presentations that promote our community
Ask The Experts Call 40 attendees Biweekly opportunity to consult with extremely knowledgeable Clarity solution consultants	Innovation Call 40 attendees Customers participate in prioritization by pitching ideas & voting	Design Studio 15 attendees Open discussion between UX and customers on use cases	Value Validation 6 attendees 3 day customer-led sprint where they use the new features & provide feedback	CAB 10 attendees Forum for large customers to share experiences & identify industry trends

Email clarity@broadcom.com to sign up for any program



16.1.0 Release Preview (Quarterly)

Transforming Investment Management

- Copy projects*
- Simplified Scheduling: Moving a task shifts all successor tasks*
- Retention of task timeline expand/collapse state & baseline compare*
- Flag to allow filtering of assignments to show only those for active resources*
- Make To Do's table available on Status Reports
- Option to set Status Report Date to Current Date on preview*
- Status Reports workspace (across investments)
- Bulk PDF export for Status Reports
- Tasks workspace: Calendar for scheduling tasks
- Tasks workspace: Board w/ swimlanes, card configuration & sorting
- Timesheets: Convert Resource Manager Filter From String to Lookup*
- Timesheets: Viewing with Approval Rights for Closed Time Periods*
- Timesheets: Visual Widgets over grid

Reinventing Resource Management

"% Availability" as a unit of measure

Providing Financial Transparency

- Transaction entry via grid
- Field level security (FLS) on Cost Plans/Budgets/Benefit Plans
- Visual widgets on Investment Cost Plan/Budget/Benefit Plan Detail modules

Clarity Checklists & To Do's

- My Workspace: Conversations and email notification improvements
- Visual widgets on To Do modules within investments

Top Down Planning (Roadmaps)

- Drag-and-drop ordering of roadmap items in grid*
- Filters for 'Has dependencies' & 'Has agreements'*
- View option to display names on roadmap events and item events in legend*
- Auto-granting Roadmap Navigate right when Sharing

Lifecycle Management (incl. Demand Mgmt)

- Action Items module on Investments
- Process Action Items: Ability to respond via email
- Hierarchies: Staff module with visual widgets
- Hierarchies: Financials module editable w/ actuals drill down
- Hierarchies: TSVs available for custom subobjects

Clarity Connections (Clarity-Rally)

- Sync individual investments on demand (C2R now; R2C in 16.1.0.1)*
- Quality-of-Life Improvements: Server time zone handling, support for Clarity 'enum' lookups & null values, immediate return of formatted Rally ID following creation from Clarity, & sync message indicates 'created in Rally'*

Customer Voice

- Edit visual widgets in widgets ribbon
- Grouping for filter options
- Views: List Favorites first, rename "Default" to "Recommended"*
- Views: Sharing via access groups*
- Grids: Per Column Aggregation by Data Type (Avg, Count, Min, Max, Sum)
- Ability to star (favorite) various subobjects (e.g. Roadmap Items, Risks)
- Option to display flyout on right or bottom
- Option to configure the modules in the subobject detail flyout
- Conversations: Option to show in flyout for blueprintable objects
- Conversations: Name & resource ID for @mention lookup instead of name & role
- Persist selected items (within session)
- Business Rules: Hide Attributes on Properties modules
- Enable canvases with tables and attributes on all Investments
- Investment Canvas: Stock/custom subobjects & To Dos available in tables
- Page canvases: Add attribute support, including rich text*
- Users grid: Create users, mark as starred, add'l attributes & available in audit
- Audit grid in Modern UX Administration*
- Generic CSV import for custom master objects BETA





Thank You



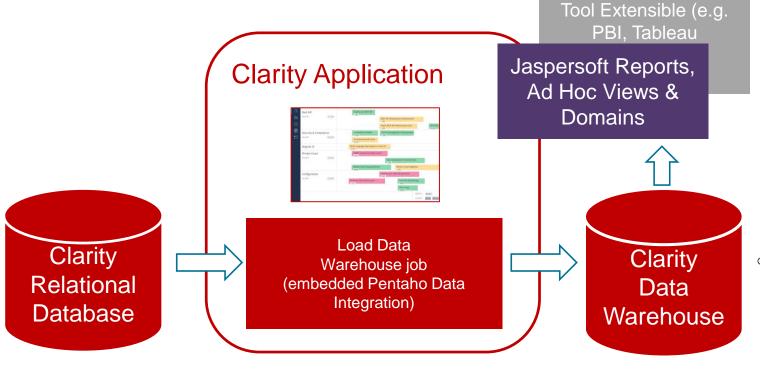
Appendix



Reporting



Clarity Reporting Architecture



o Pentaho Data Integrator is embedded

and load runs as a Clarity job.

within Clarity. The data transformation

- Lightweight, drag and drop business user reporting capability
- Out of the box reports and domains for Investments, Resources, Financials, and Timesheets.

 The Data Warehouse is modeled on a STAR schema, with Dimensions covering the major areas in Clarity and their associated Facts.

Data Warehouse Benefits

- Data Extensible
- Shared Security model
- Data Schema provided
- Trending



Clarity Reporting Options



Modern UX Grids and Widgets

- End User Configurable
- Export to CSV



Portlets |

- SQL or OOB Data Sources
- Customizable



Ad-Hoc

- End User Configurable
- Export to multiple formats, schedule and email delivery



Jaspersoft Studio Reports

- Custom Report Development Tool
- Export to multiple formats, schedule and email delivery



3rd Party BI and Reporting Tools

- Your choice of tool (Power BI, Tableau, etc..)
- Connect via Odata connection to DWH



Clarity Jaspersoft Reporting

- Custom Attributes added to existing Domain objects are automatically placed in the reporting domain.
- Ad Hoc Reporting for end user report creation.
- Jaspersoft Studio for complete custom report development.
- Reports can be exported in numerous formats including PDF, xlsx, docx, csv, rtf.
- Restrict access to the repository using group security. Custom reports can be data restricted based on existing Clarity security model.
- Reports can be scheduled and automatically delivered via email.
- Reports can be embedded into Clarity Pages for quick access.



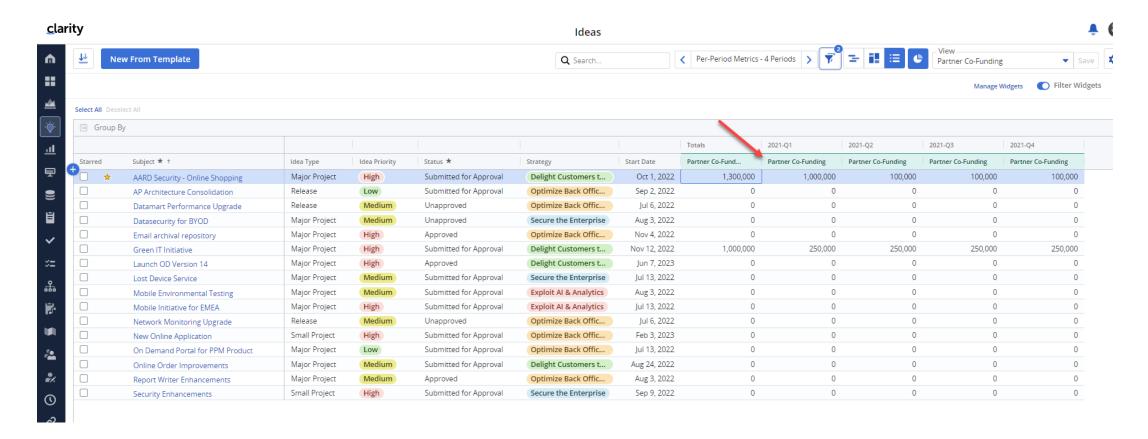
Clarity 3rd Party BI Reporting

- SaaS customers can access the data warehouse and develop analytics dashboards and reports using REST (OData) endpoints.
- A Hybrid Data Pipeline (HDP) server in the Clarity PPM environment connects to the data warehouse and exposes OData endpoints for data warehouse entities.
- Using the OData endpoints as data sources, you can create your own dashboards and reports.
- Many common table connections are pre-connected providing easier development.



Attribute Availability in Views and Reports

Automatically make custom attributes visible in UX and Reporting Views

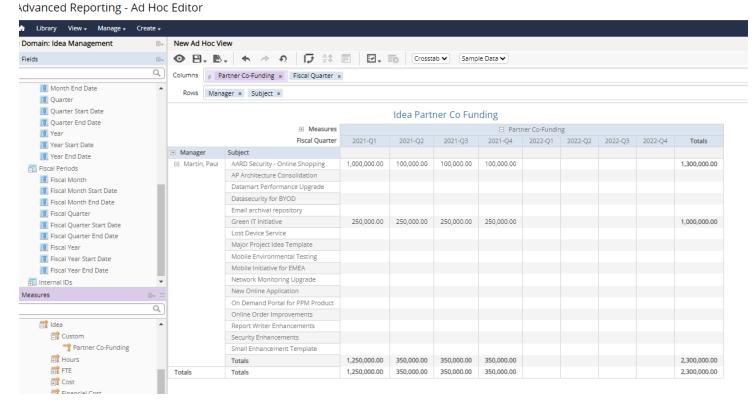




Attribute Availability in Views and Reports

Automatically make custom attributes visible in UX and Reporting Views







Authentication & Keys

- You can use the Authentication and Keys page to allow On Premise customers to use credentials issued by an IdP that supports SAML 2.0 to log into Clarity.
- Some key advantages of using SAML-based SSO login are:
 - Seamless integration between networks and environments: All users can move easily between your organization's intranet and Clarity.
 - Simplified password management: No need to manage user passwords separately from Clarity, because your existing user management system handles password management.
 - Simplified Certificate management: Use Clarity to manage various security certificates.



Authentication & Keys

- You can also use Key-Based authentication to generate a personal API key for a specific client based on a user's SSO credentials, access rights, and status settings.
- Key authentication eliminates the need to generate and pass credentials or tokens for every session. Use key authentication in the following scenarios:
 - You want to integrate data between Clarity and other client applications. Integration architectures can allow users to authenticate through the REST API and accomplish certain Clarity actions without going into the user interface.
 - Your Clarity instance is using SSO for authentication.



Documentation

Where do I find Authentication and Keys information?

- Documentation available from the Broadcom support site:
 - https://techdocs.broadcom.com/us/en/ca-enterprise-software/business-management/clarity-project-and-portfolio-management-ppm-on-premise/16-1-0/using/Getting-Started-with-Clarity-Administration/Authentication-and-Keys.html

