



OneVizion

Basic System Architecture 2 Database Modeling

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Topic: Data Base Modeling and Basic System Architecture 2

This Lesson will Cover:

- Quick Review of the UI and Viewing Data in the System
- Tabs
- Tracker Classes
- Cascading Drop-Down Fields
- Applets
- External Tabs
- External Applets
- Notifications
- Portals

Topic: Data Base Modeling and Basic System Architecture 2

Let's Quickly Review the Main Ways of Viewing Data in OneVizion.

Tracker Browser - Search Ring

G:General Info G:All

Search for S:Search Ring ID Relations:

M:Market	S:Search Ring ID	S:Site Name	S:Status	S:SR Center Latitude	S:SR Center Longitude	S:Search Ring Radius (m)	S:Desired RAD Center (m)
Arizona	AZ15042	Johnston	Build	40.40277278	-115.90820323	100	25
Baltimore	MD5216	Norwood					
Baltimore	MD20883	Aylmer					
Boston	MA20626	Lumberton Station					
Boston	MA20615	Vidal					
Boston	MA2031						

The Grid – Rows and Columns

- Controlled by Views and Filters

Search

S:General Info

C:Candidate 1

Search Ring CA15579 - S:General Info

M:Market * California

S:Search Ring ID CA15579

Search Ring Info

S:Site Name Reyes

S:Status *

S:SR Center Latitude *

S:Search Ring Radius (m)

S:Search Ring Radius (ft)

S:Search Ring Radius Updated

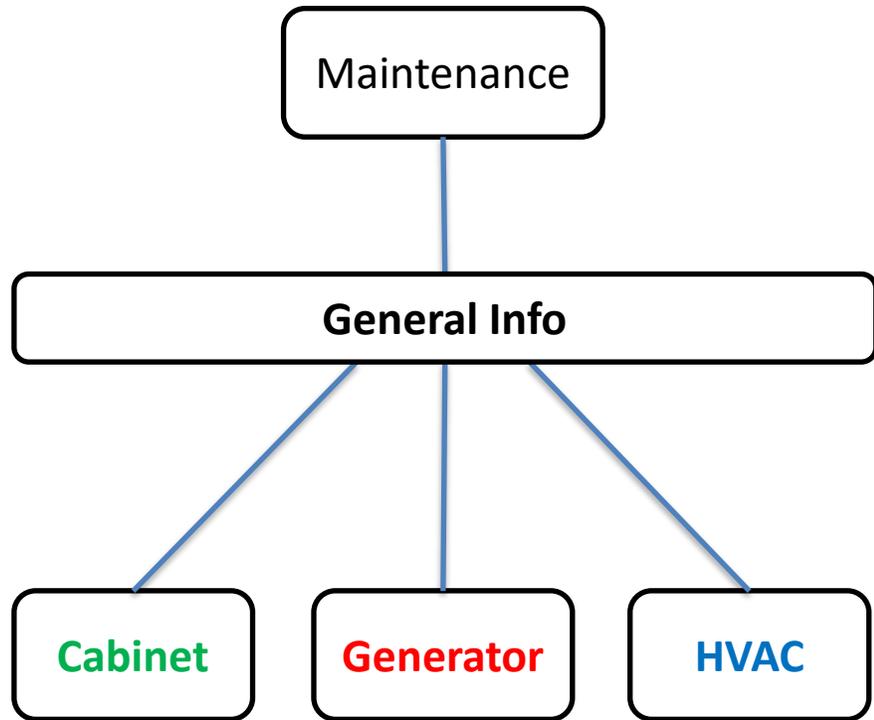
S:Search Ring Type

Tabs and Applets

- Arrange Data Structurally

Topic: Enhancing the Maintenance Application

We are going to add a number of additional fields to the Maintenance Tracker that give us more information about the components that are being maintained, BUT, the physical properties of each component type (or, Class) vary significantly.



Configured Field Label	Data Type	Assigned Tab(s)
Maintenance Class	DB Drop-Down	General Info
Manufacturer	Drop-Down	General Info
Manufacturer's Model Number	Drop-Down	General Info
Scheduled Date	Date	General Info
Status	Drop-Down	General info
Field Tech	Text	General Info
Maintenance Manual	Electronic File	General Info
Environment	Drop-Down	Cabinet
Mounting	Drop-Down	Cabinet
Cooling	Drop-Down	Cabinet
NOC Monitored?	Checkbox	Cabinet
Fuel Type	Drop-Down	Generator
Power Rating (KW)	Number	Generator
BTUs	Drop-Down	HVAC
Washable Electrostatic Filter?	Checkbox	HVAC
Voltage	Drop-Down	HVAC, Generator
Phase	Drop-Down	HVAC, Generator

Topic: Adding Classes to the Maintenance Tracker Type

Go to the Tracker Classes Menu, Filter to the Maintenance Tracker and Add the three (3) new Classes – Cabinet, Generator and HVAC.

The screenshot displays the 'Classes' management interface. At the top, there are navigation icons and a search bar. Below the search bar is a table with columns: Tracker ID, Tracker Type, Tracker Class, Used, Order Number, Created By, Created At, Modified By, and Modified At. Three rows are visible, representing newly added classes: Generator, HVAC, and Cabinet, all under the Maintenance Tracker Type. A modal dialog is open in the foreground, titled 'Tracker Type', with a dropdown menu set to 'Maintenance' and 'OK' and 'Cancel' buttons.

Tracker ID	Tracker Type	Tracker Class	Used	Order Number	Created By	Created At	Modified By	Modified At
1002642	Maintenance	Generator	18	10	shardin_training	06/25/2019 15:11:56	shardin_training	06/25/2019 15:11:56
1002643	Maintenance	HVAC	8	30	shardin_training	06/25/2019 15:12:12	shardin_training	06/25/2019 15:12:35
1002644	Maintenance	Cabinet	6	20	shardin_training	06/25/2019 15:12:27	shardin_training	06/25/2019 15:12:27

Note: Administrators may also Add/Edit Tracker Classes directly from the Tab and Applet forms.

Topic: Create tabs for each of the new Trackor Classes

Similarly, we are going to add three (3) new tabs – one for each Class – and put the appropriate fields on each tab based upon its Class – General Info contains generic fields . . .

The screenshot displays the 'Edit Tab' configuration interface in the OneVizion application. At the top, there's a search bar with 'generator' and a 'Tab Label' dropdown. A table lists existing tabs:

Data Tab ID	Tracker Type	Tab Name
1000065983	Maintenance	GENERATOR_INFO

Buttons for 'Edit' and 'Add' are visible in the top right. A red arrow points to the 'Add' button. Below the table, a sidebar titled 'Edit Tab - Tracker Classes' allows selecting a class. The 'Generator' class is selected, indicated by a red arrow. The main area shows a list of fields to be added to the tab:

- V:Service Contract (ELECTRONIC FILE)
- S:SCIP Photos (ELECTRONIC FILE)
- V:W9 Document (ELECTRONIC FILE)
- S:Jurisdiction Contact (MEMO)
- V:Vendor Acronym or Use Name (TEXT)
- S:Jurisdiction (TEXT)
- S:Search Radius (NUMBER)

On the right, a preview window titled 'Backup Generator Maintenance information' shows the form layout with fields for:

- Maint:Manufacturer (dropdown)
- Maint:Power Rating (KW) (text input)
- Maint:Phase (dropdown)
- Maint:Maintenance Manual (text input with attachment icon)

At the bottom right, there are 'OK', 'Cancel', and 'Apply' buttons.

Topic: Create tabs for each of the new Trackor Classes

These are the four (4) new tabs, a General Info tab and a tab for each of our Classes – **Cabinet**, **Generator** and **HVAC**.

Maint:Maintenance ID	CA10917-10000	S:Site ID	CA10917
Maint:Maintenance Class *	HVAC	Maint:Manufacturer's Model Number	THED-240AC
Maint:Manufacturer	Thermal Edge	Maint:Status	Scheduled
Maint:Scheduled Date	12/22/2019	MT:MT.Interval (Days)	180
Maint:Field Tech	Alex Barnes		

Cabinet Maintenance Information

Maint:Manufacturer	TRS Comm	Maint:Manufacturer's Model Number	TSR2450
Maint:Cooling		Maint:NOC Monitored?	<input type="checkbox"/>
Maint:Environment		Maint:Mounting	
Maint:Maintenance Manual	Telecom Cabinet Maintenanc		

Backup Generator Maintenance information

Maint:Manufacturer	Kohler	Maint:Manufacturer's Model Number	KOH5-100
Maint:Power Rating (KW)		Maint:Fuel Type	
Maint:Phase		Maint:Voltage	
Maint:Maintenance Manual	Backup Generator Maintena		

HVAC Maintenance Information

Maint:Manufacturer	Thermal Edge	Maint:Manufacturer's Model Number	THED-240AC
Maint:Voltage	240-volts	Maint:Phase	Three Phase
Maint:BTUs	100,000	Maint:Washable Electrostatic Filter?	<input checked="" type="checkbox"/>
Maint:Maintenance Manual	HVAC Maintenance Manual.		

Topic: And the Final Results

Now, when you choose a Maintenance Trackor only the tab for that specific Class appears on the Maintenance applet. We also get the General Info and Instructions child tabs . . .

The screenshot shows the 'Maintenance' applet interface. At the top, there's a search bar and filters for 'S:Site ID' and 'Relations:'. Below is a table with columns: S:Site ID, M:Market, Maint:Maintenance ID, V:Vendor ID, Maint:Maintenance Class, and Maint:Manufacturer. The table lists several records, with the row for 'AZ15042' highlighted in red. Below the table, a detailed view for 'Search Ring AZ15042 - S:General Info' is shown. This view includes a search bar, a list of tabs ('S:General Info', 'C:Candidate', 'Maint:Maintenance'), and a form with fields for 'M:Market' (Arizona), 'S:Site ID *' (AZ15042), 'S:Site Name' (Johnston), 'S:Site Status' (On-Hold), 'S:SR Center Latitude', and 'S:Search Ring Radius'.

S:Site ID	M:Market	Maint:Maintenance ID	V:Vendor ID	Maint:Maintenance Class	Maint:Manufacturer
AL13936	Atlanta	AL13936-0002	Roland Power Service Company	Generator	Caterpillar
AL13936	Atlanta	AL13936-0005	Heating and Air Unlimited	HVAC	EIC Solutions
AL13936	Atlanta	AL13936-0004	EIC Solutions	HVAC	EIC Solutions
AL13936	Atlanta	AL13936-0003	RightCab, Inc	Cabinet	TRS Comm
AL13936	Atlanta	AL13936-0001	Coolray HVAC	HVAC	Bard
AL13936	Atlanta	AL13936-0000	Southeast Generator Service, Inc.	Generator	Kohler
AZ15042	Arizona	AZ15042-0004	Roland Power Service Company	Generator	Caterpillar
AZ15042	Arizona	AZ15042-0000	Southeast Generator Service, Inc.	Generator	Generac
				HVAC	EIC Solutions
				Cabinet	TRS Comm
				Generator	Kohler
				HVAC	Thermal Edge
				Generator	Caterpillar
				Generator	Caterpillar
				Generator	Kohler
				HVAC	Bard
				Generator	Caterpillar
				Cabinet	Telco Tech
				HVAC	Thermal Edge

The General Info tab and the tabs created earlier for all of the different Classes are placed on the Maintenance Applet.

Topic: **Tracker Classes - Summary**

Tracker Classes are a GREAT feature to use when you want to track multiple entities with significantly different properties in the same Tracker Type. A perfect application is a Master Parts Catalog where you might want to have Antennas, Cables, Radio, Cabinets, etc. in the same data store . . .

Summary of Steps

- Add the new Classes to the Tracker Type
- Build a tab (or, tabs) for each Tracker Class
- Assign each tab to one or more Classes using the X-Ref menu
- Assign Child Trackors to the Classes using the X-Ref menu
- Place the tabs on the Track Type applet along under the General Info
- Build Favorites to combine Views and Filters into Class oriented data pages
- Manage and access your Data in a structured and organized fashion!!

REMINDER – When creating new records in a Tracker Type that has Classes – you must specify the Class then hit **APPLY** to set the Class before you will get the Class specific tab(s)

Topic: Cascading Drop-Downs

Cascading Drop-Downs allow you to control what values appear in the drop-down list of a *dependent* field based upon the value that has been selected from an *independent* field.



Maintenance
G:General Info G:All

Search for S:Site ID Relations:

S:Site ID	M:Market	Maint:Maintenance ID	V:Vendor ID	Maint:Maintenance Class	Maint:Manufacturer	Maint:Manufacturer's Model Number
AL13936	Atlanta	AL13936-0002	Roland Power Service Company	Generator	Caterpillar	CAT10K
AL13936	Atlanta	AL13936-0005	Heating and Air Unlimited	HVAC	Caterpillar	EIC10K
AL13936	Atlanta	AL13936-0004	EIC Solutions	HVAC	Generac	EIC10K
AL13936	Atlanta	AL13936-0003	RightCab, Inc	Cabinet	Kohler	TSR2450
AL13936	Atlanta	AL13936-0001	Coolray HVAC	HVAC	TRS Comm	Bard
AL13936	Atlanta	AL13936-0001	Coolray HVAC	HVAC	Bard	BD-100-C

When the Generator Class is selected notice that only Generator Manufacturers are presented in the drop-down list. This is controlled by a OneVizion feature called Cascading Drop-downs.

Topic: Cascading Drop-Downs

Put all desired values into the V-Table of the Dependent Field . . .

The screenshot displays the OneVizion interface. At the top, a table lists maintenance records with columns: S:Site ID, M:Market, Maint:Maintenance ID, V:Vendor ID, Maint:Maintenance Class, Maint:Manufacturer, and Maint:Model ID. The first row shows S:Site ID 'AL13936', M:Market 'Atlanta', Maint:Maintenance ID 'AL13936-0002', V:Vendor ID 'Roland Power Service Company', Maint:Maintenance Class 'Generator', and Maint:Manufacturer 'Caterpillar'. Below this, an 'Edit Field - General' configuration window is open, showing 'Tracker Type *' set to 'Maintenance' and 'Field Label (#-25761) *' set to 'Manufacturer'. The 'Table Name *' field is highlighted with a red box and contains the value 'V_MAINT_MANUFACTURER'. To the right, a 'Validation Tables' window is open, displaying a table of values for the dependent field.

Value ID	Order Number	Value
10028210	10	Caterpillar
10028211	30	Kohler
10028217	20	Generac
10028218	40	DDB Unlimited
10028219	50	Premier
10028220	60	Telco Tech
10028221	70	TRS Comm
10028224	80	EIC Solutions
10028225	90	Bard
10028226	100	Thermal Edge

Dependent field

V-Table Values for all possible dependencies

Topic: Cascading Drop-Downs

Use the Cascading Drop-Down Link dialogue box and **Assign** to define the field value dependencies.

NOTE: Cascading Drop-Down Dependencies can be multi-level

The image displays three sequential screenshots of the 'VTable Value Links' dialog box in a Google Chrome browser window. The dialog box is titled 'Maintenance Class' and 'V_MAINT_MANUFACTURER'. It features three columns: 'Parent Table Values', 'Linked Values', and 'All Values'. The first screenshot shows 'Cabinet (4)' selected in the 'Parent Table Values' column, with 'DDB Unlimited', 'Premier', 'Telco Tech', and 'TRS Comm' in the 'Linked Values' column. The second screenshot shows 'Generator (3)' selected, with 'Caterpillar', 'Generac', and 'Kohler' in the 'Linked Values' column. The third screenshot shows 'HVAC (3)' selected, with 'EIC Solutions', 'Bard', and 'Thermal Edge' in the 'Linked Values' column. Each screenshot includes an 'OK' button at the bottom right.

REMINDER – A Dependent Cascading Drop-Down field must have its Parent field on the same Grid or Tab to Function Properly.

Topic: External Tab and External Applets

External Tabs and External Applets are ways of accessing Data in OneVizion that might be related but is not associated by means of a Parent-Child relationship, or, accessing data completely outside of OneVizion . . .



Overview of External Tab and Applets

- Function Very Similar to Standard Tabs and Applets
- Offer great Flexibility for Accessing data outside of standard Parent-Child relationships
- Can use URL's to access data from other systems external to OneVizion
- Ability to attach SQL queries to External Tabs and Applets make them very powerful
- Access and privileges controlled by the OneVizion security model
- External Tabs and Applets can be accessed by convenient icons presented on ribbon.

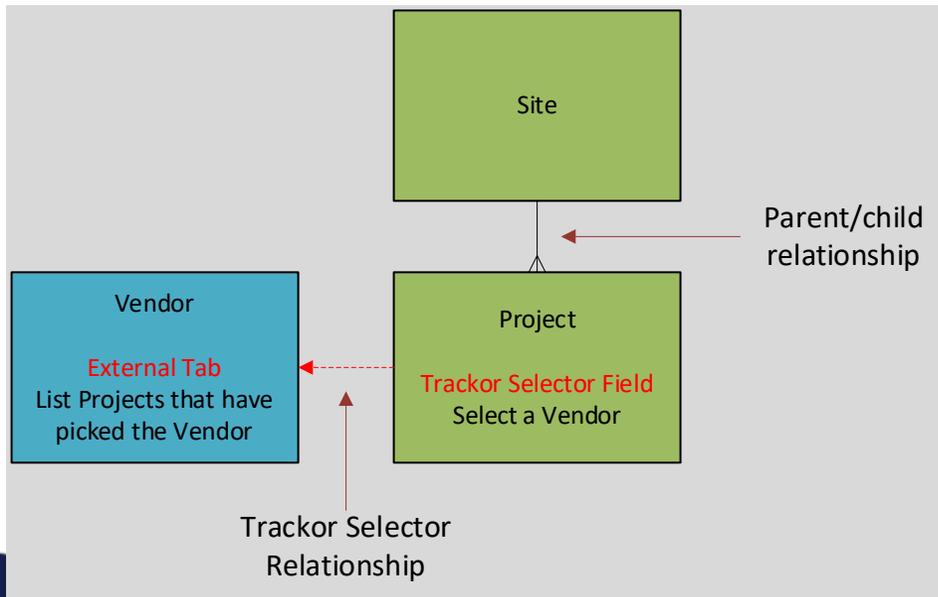
What is an External Tab

- The External Tab is used to display records that have been associated to the trackor record through a Trackor Selector field
- In this example, there is not a direct parent/child relationship between the Project and Vendor
- However, Vendors are assigned to projects through trackor selector fields
- When the user opens the Vendor record, the Projects that have been assigned to the Vendor are visible on the External Tab



V:Vendor Name	V:Vendor Category	V:Vendor Acronym or Use Name	V:Vendor Status	V:Vendor Services	V:Market Capabilities
ACME Vendor	General Contractor	ACME	Active	Construction	Seattle, Los Angeles, Chicago, Dallas, Philadelphia, Atlanta, Test Market
Atlanta Crew LLC	General Contractor	Atlanta Crew LLC	Active	Construction, Comissioning, Operations	Atlanta
				Compliance A&E	Seattle, Los Angeles, Chicago, Dallas,

P:Project ID	P:Project Type	P:Project Status	P:Project Phase	P:Next Incomplete Milestone	P:Next Milestone Responsible Person
ATL0002-A-001	RF Capacity	Active	Construction	Pending Construction Complete	Lois Peterson
ATL0011-A-001	New Site Build	Active	Project Complete	Project Complete	Lois Peterson
CHI0022-A-001	New Site Build	Active	Permitting	Pending Permitting	Lisa Evans
CHI0034-A-001	New Site Build	Active	Permitting	Pending Permitting	Lisa Evans
TST0001-A-001	New Site Build	Complete	Final Acceptance	Pending Agreements	Cynthia Moore
TST0001-A-002	RF Capacity	Active	Site Acquisition	Pending Agreements	Dennis Powell



What is a Tracker Selector field

- A Tracker Selector is a field type that allows the user to pick a record from another Tracker
- In this example, once the General Contractor is selected from the Vendor tracker and is not visible on the Project General Info tab
- The 'Short Name' on the field definition page allows the user to add fields from related record to the grid through Drill Down Fields
- System administrators may add drill down fields to tabs
- Of course, once the Tracker Selector is in place, an External Tab can be used on the Vendor tracker to list the Project that have selected the vendor

The screenshot shows a web form for 'Project ATL0002-A-001' in Google Chrome. The 'P:General Info' tab is active. A red box highlights the 'Project ATL0002-A-001' title. Another red box highlights the 'P:General Contractor' field, which is a Tracker Selector field. An orange box labeled 'Tracker Selector Field' points to this field. The form contains various fields for project details, including dates and names.

Tracker Selector Drill Down fields

The screenshot shows the 'Drill-Down Fields' section for 'P:General Contractor'. The 'Fields' tab is selected, and a list of fields is displayed. The first field is 'GC:V:Vendor Acronym or Use Name', which is highlighted in blue. Other fields include 'GC:V:Vendor Category', 'GC:V:Vendor Comments', 'GC:V:Vendor Contact Name', 'GC:V:Vendor Contact Phone', and 'GC:V:Vendor Name'.

The screenshot shows the 'Edit Field - General' configuration page for a Tracker Selector field. The 'Data Type' is set to 'Tracker Selector'. The 'Field Label' is '#-16582' and the 'Field Name' is 'P_GENERAL_CONTRACTOR'. The 'Selector's Tracker Type' is set to 'Vendor'. The 'Short Name' is '#-35607' and 'GC:'. The 'Def Value SQL' is 'id.project.cf.p_general_contractor'. The 'Description' is 'Field for identifying the individual responsible as the General Contractor'. There are checkboxes for 'Mandatory', 'Two Columns Span', 'Lockable', 'Read Only', 'Dont Clone Field Value', 'Dont Clone Lock Status', 'Support Barcode', and 'Show Expanded List'.

How to configure an External Tab

- First, open the External Tabs application page
- Click Add
- Update 3 fields on the General tab
 - Enter Tab Name
 - Enter the Tab Label
 - Modify the URL
- Update the system address and 2 Tracker Keys
- In this example, the FIRST Tracker Key is the Project Tracker where the Tracker Selector field is published
- In this example the SECOND Tracker Key is the Vendor Tracker where we want to publish the external tab

Data Tab ID	Tracker Type	Tab Name	Tab Label	Related Tracker Type	URL	Allow webcam and microphone access	Preview	Created By	Created At
1000064946	Master Lease Agreements	Lease Tracker	Lease Tracker		https://dev-apps.onevizion.com/grid/SimpleGrid.do?ModuleName=TRACKOR_BROWSER&curTtid=100006846	NO		lemelyanov	04/29/2020 19:56:56
1000064958	Candidate	CANDIDATE_NODES	Candidate Nodes		https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006857&IsOnTab=1&IsPopup=1&masterTtid=100006857	NO		lemelyanov	04/29/2020 20:00:57
1000065003	Candidate	Interconnect External Tab	Interconnect		https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006807&IsOnTab=1&IsPopup=1&masterTtid=100006857	NO		adidenko	05/08/2020 01:28:16
1000065063	Project SLA	SLA Adjustments	SLA Adjustments		https://dev-apps.onevizion.com/grid/SimpleGrid.do?ModuleName=TRACKOR_BROWSER&curTtid=100006883	NO		lemelyanov	05/13/2020 21:11:17
1000065270	Vendor	Vendor Associated Projects New	Associated Projects		https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006816&IsOnTab=1&IsPopup=1&masterTtid=100006854	NO		adidenko	06/12/2020 05:02:56
1000065283	Search Ring	Inventory Items	Inventory Items		https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100007004&IsOnTab=1&IsPopup=1&masterTtid=100006851	NO		adidenko	06/15/2020 05:30:30
1000065425	Project	Interconnect External Tab Project	Interconnect		https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006807&IsOnTab=1&IsPopup=1&masterTtid=100006816	NO		adidenko	07/29/2020 04:51:38

dev-apps.onevizion.com/admin/configtabext/Form.do?id=1000065270

Edit Tab - General

Tab Name *
Vendor Associated Projects New

Tab Label (#-35765) *
Associated Projects

URL *
https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006816&IsOnTab=1&IsPopup=1&masterTtid=100006854

Allow webcam and microphone access

Tracker Type *
Vendor

OK Cancel Apply

System Address

Tracker Key (Project tracker)

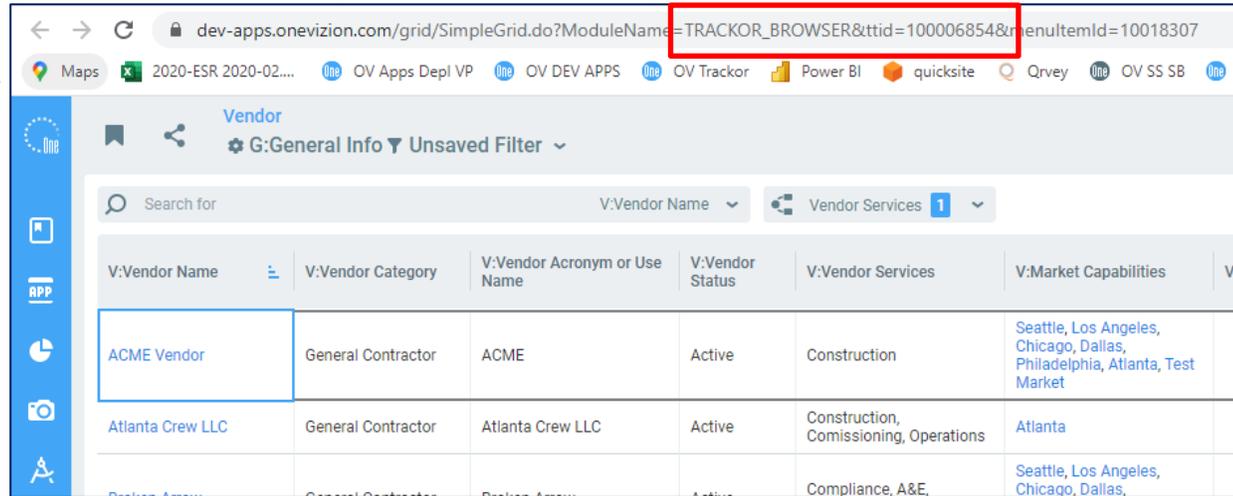
Tracker Key (vendor tracker)

<https://dev-apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006816&IsOnTab=1&IsPopup=1&masterTtid=100006854>

Tracker Keys

Destination Tracker Key ID = **100006854**

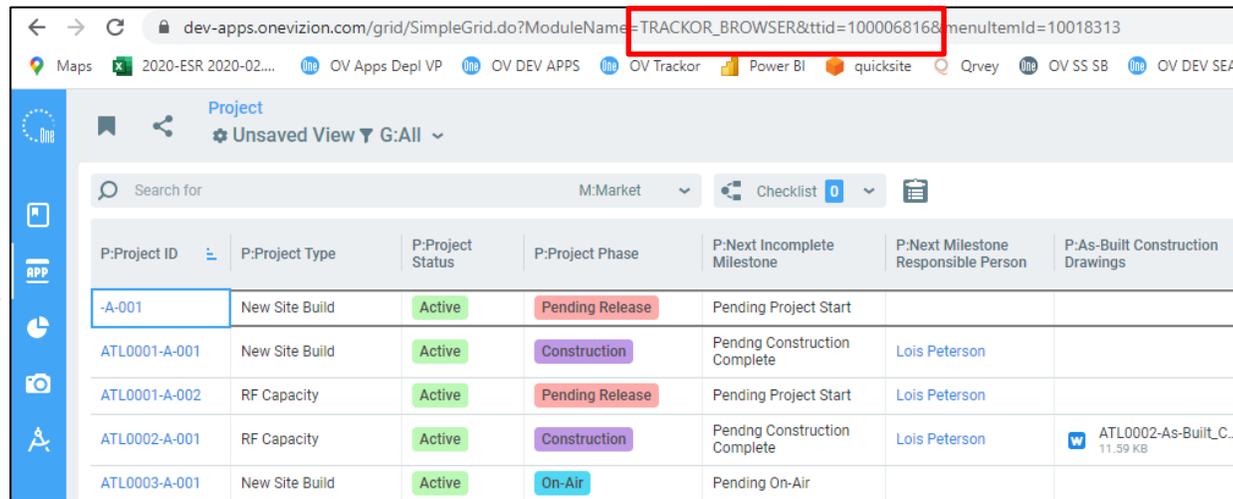
- Open the Tracker page. Copy the Tracker Key from the URL
- This is the Tracker where the external tab will be published



V:Vendor Name	V:Vendor Category	V:Vendor Acronym or Use Name	V:Vendor Status	V:Vendor Services	V:Market Capabilities
ACME Vendor	General Contractor	ACME	Active	Construction	Seattle, Los Angeles, Chicago, Dallas, Philadelphia, Atlanta, Test Market
Atlanta Crew LLC	General Contractor	Atlanta Crew LLC	Active	Construction, Comissioning, Operations	Atlanta
				Compliance, A&E,	Seattle, Los Angeles, Chicago, Dallas,

Source Tracker Key ID = **100006816**

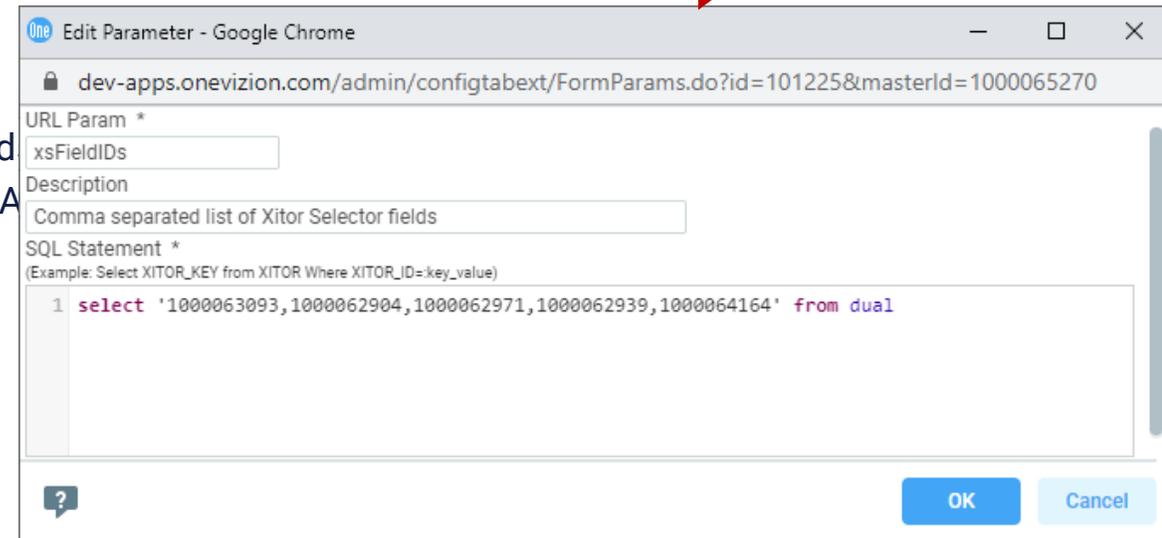
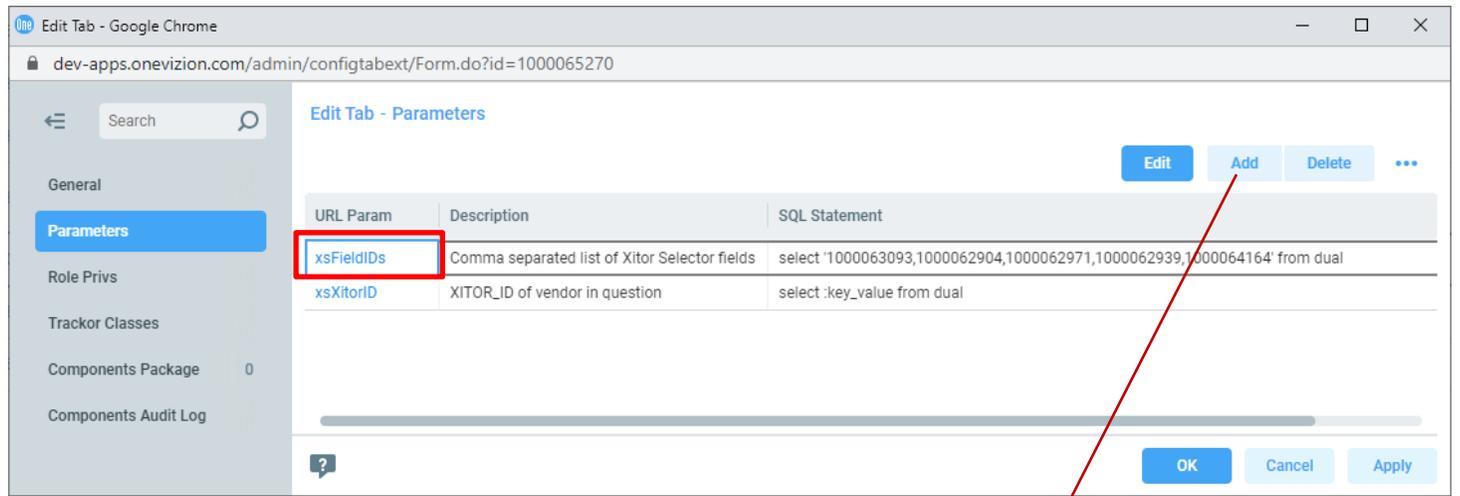
- Tracker where the Tracker Selector field is located



P:Project ID	P:Project Type	P:Project Status	P:Project Phase	P:Next Incomplete Milestone	P:Next Milestone Responsible Person	P:As-Built Construction Drawings
-A-001	New Site Build	Active	Pending Release	Pending Project Start		
ATL0001-A-001	New Site Build	Active	Construction	Pending Construction Complete	Lois Peterson	
ATL0001-A-002	RF Capacity	Active	Pending Release	Pending Project Start	Lois Peterson	
ATL0002-A-001	RF Capacity	Active	Construction	Pending Construction Complete	Lois Peterson	ATL0002-As-Built_C... 11.59 KB
ATL0003-A-001	New Site Build	Active	On-Air	Pending On-Air		

Parameter 1

- Click the Parameters tab
- Click Add
- Update 2 fields, copy the values below
 - URL Param
 - Description
- Modify the Select statement by replacing Tracker Selector Field IDs
- In this example the Project Tracker has multiple tracker selector field
- The External Tab will list all projects where the vendor is selected in A



xsFieldIDs

Comma separated list of Xitor Selector fields

select '1000063093,1000062904,1000062971,1000062939,1000064164' from dual

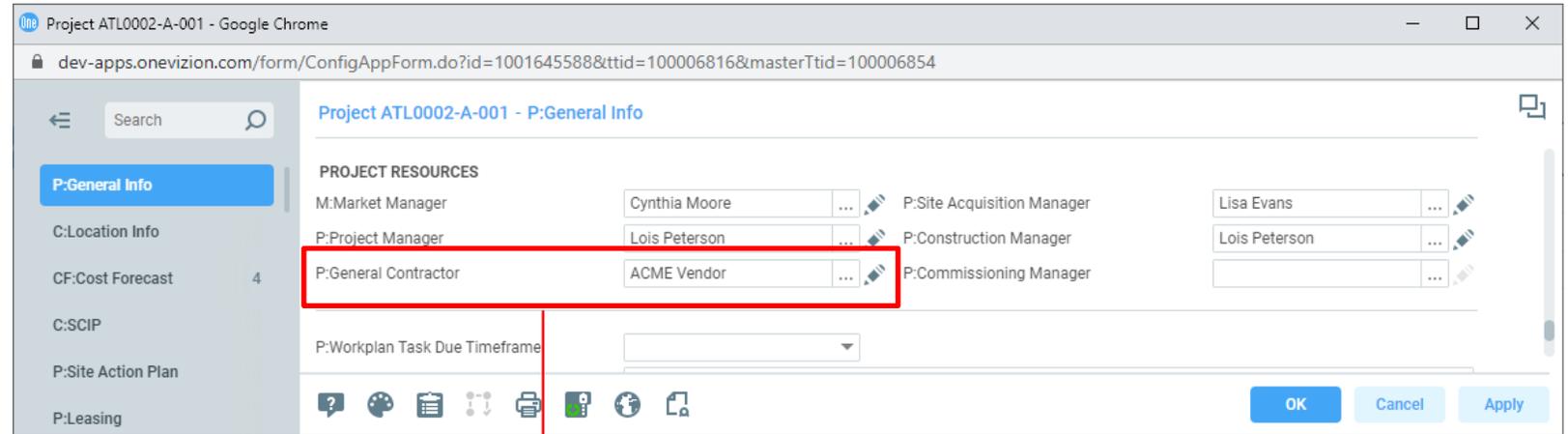
Field ID for Tracker Selector field
(Project tracker, P:General Contractor)

Tracker Selector Field ID

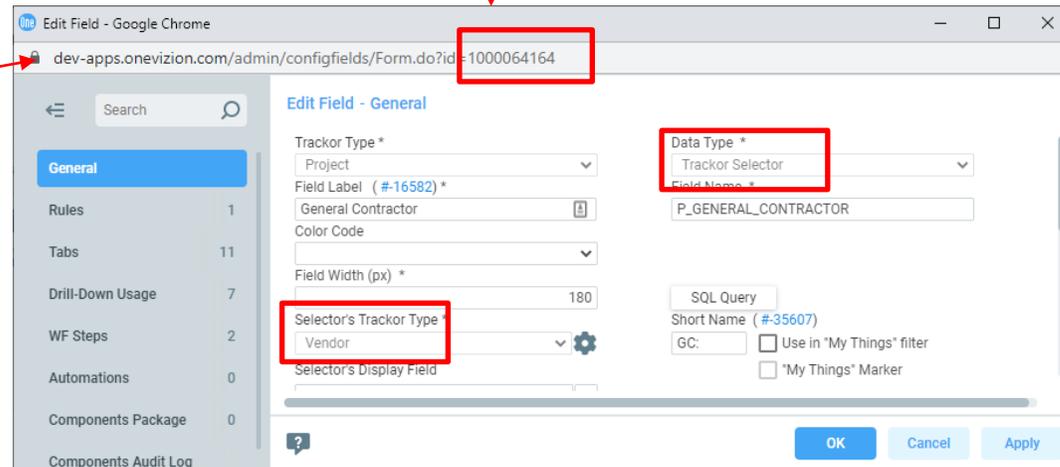
Locate the Tracker Selector fields that are published on the source Tracker

In this example, the P:General Contractor tracker selector field is published on the P:General Info tab

Click the label and select 'Field Info'



Field ID = 1000064164



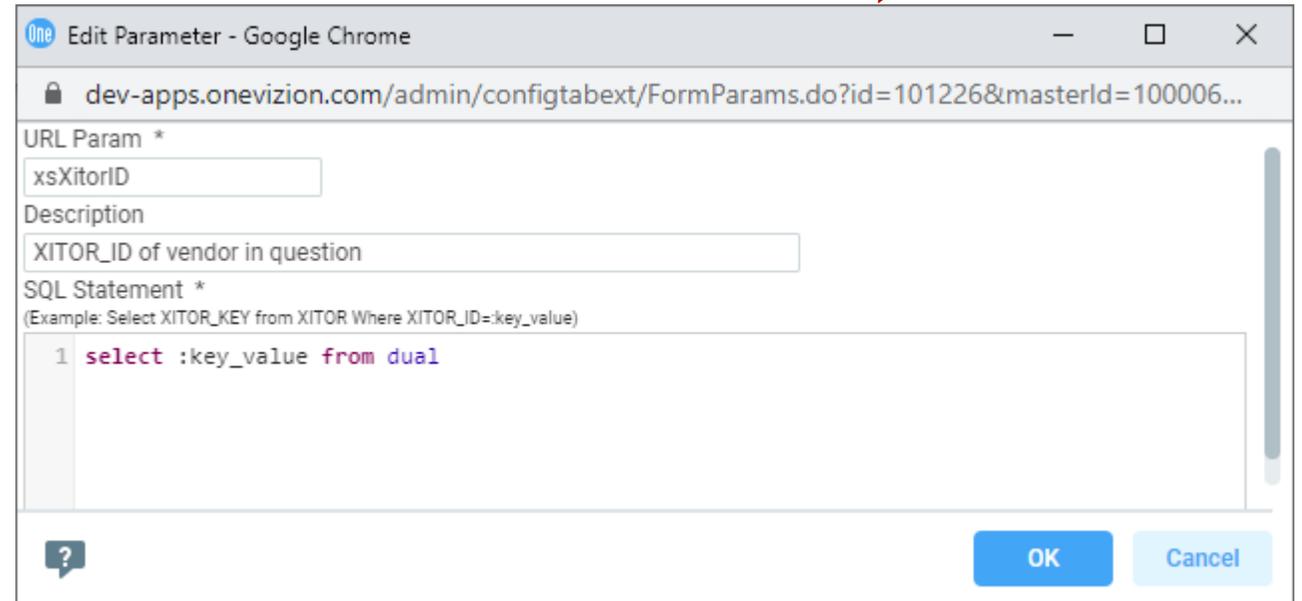
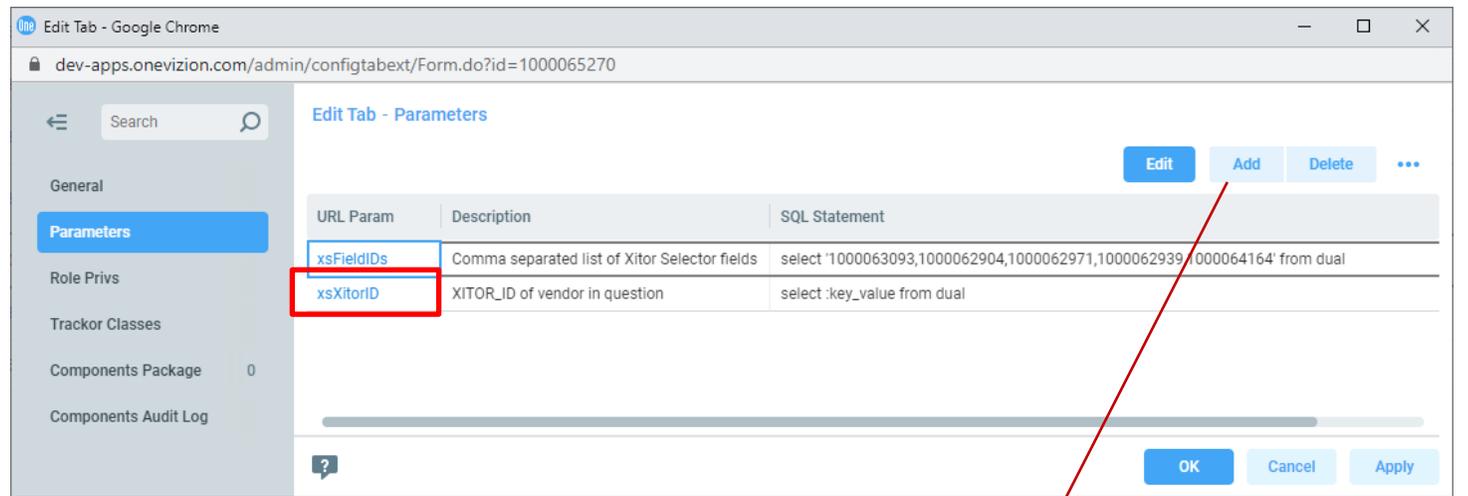
Parameter 2

- Click Add
- Update 3 fields, copy the values below
 - URL Param
 - Description
 - SQL Statement
- Click OK, External Tab complete

xsXitorID

XITOR_ID of vendor in question

select :key_value from dual



How to Publish an External Tab

1. Open the destination application
2. Click any vendor key
3. Click the Tracker Editor Link at the top of the page
4. Click Tabs
5. Select the new external tab V:Associated Projects on the left, use the center arrow to move the tab to the published tab list on the right.

Click and drag the tab to position the tab in the desired position

The screenshots illustrate the process of publishing an external tab:

- Step 1:** The user opens the destination application and selects a vendor key (ACME Vendor) from a list.
- Step 2:** The user clicks the Tracker Editor Link at the top of the page.
- Step 3:** The user clicks the 'Tabs' section in the left-hand menu.
- Step 4:** The user selects the new external tab 'V:Associated Projects' on the left and uses the center arrow to move it to the published tab list on the right.

Topic: External Applets

A similar capability can be accomplished with External Applets.

External Applets

Unsaved View Unsaved Filter

Search for Applet ID

Applet ID	Tracker Type	Applet Name	Applet Label	Related Tracker Type
1000061745	Candidate	Candidate Nodes	Candidate Nodes	

Edit App - Google Chrome

apps.onevizion.com/admin/configappext/Form.do?id=1000061745

Edit App - General

Applet Name *
Candidate Nodes

Applet Label (#28234) *
Candidate Nodes

URL *
https://apps.onevizion.com/grid/DrillDownTbGrid.do?ttid=100006926&IsOnT...

Path Params GET Params

Tracker Type *
Candidate

App Icon *
Assign

Form Width * 100% Form Height * 100%

Pos X % Pos Y %

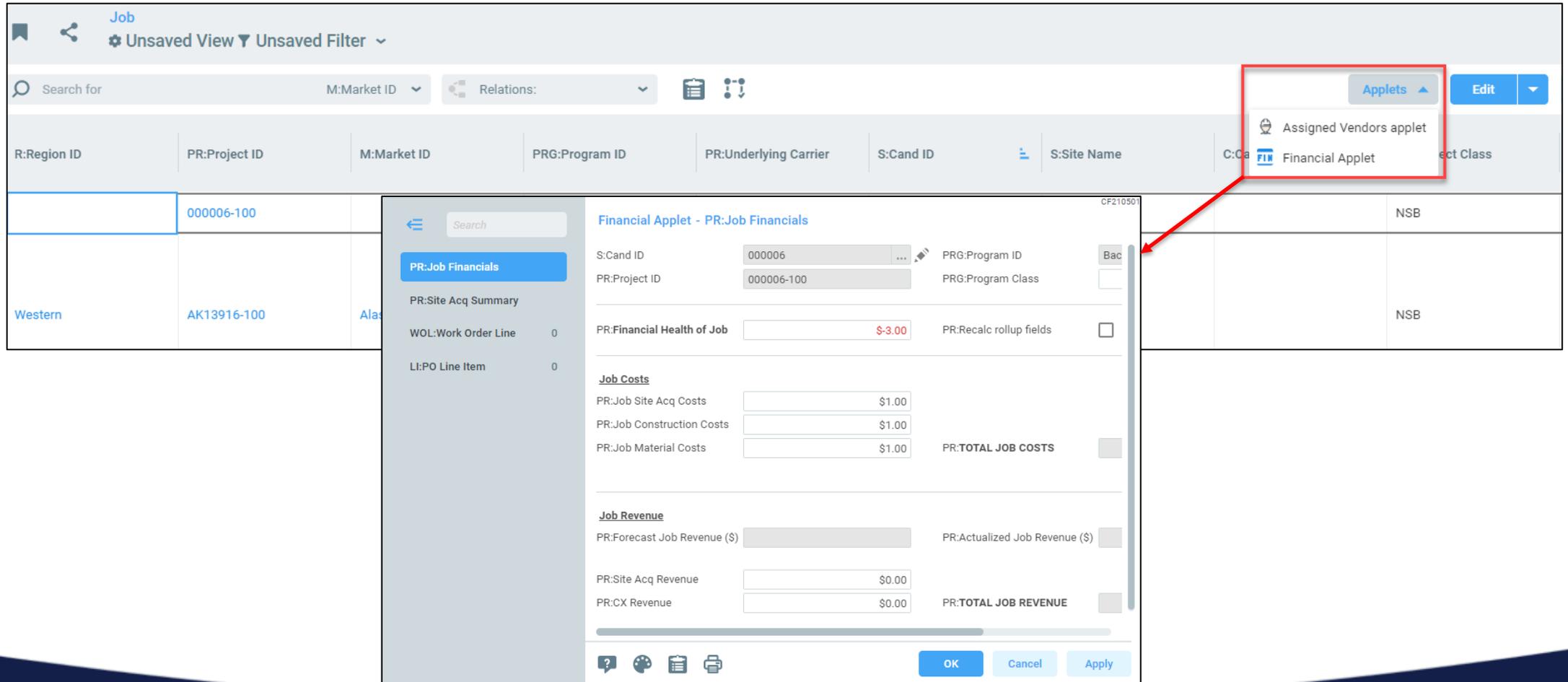
Show in modal window Center Form?

Run Hidden?

OK Cancel Apply

Topic: External Applets

A similar capability can be accomplished with External Applets. These also allow access to data via a SQL query and can be quickly accessed via an icon.



The screenshot displays the OneVizion software interface. At the top, there is a header with 'Job' and 'Unsaved View Unsaved Filter'. Below this is a search bar and a 'Relations' dropdown. The main area shows a table with columns for 'R:Region ID', 'PR:Project ID', 'M:Market ID', 'PRG:Program ID', 'PR:Underlying Carrier', 'S:Cand ID', 'S:Site Name', and 'C:Ca'. A red box highlights the 'Applets' dropdown menu, which contains 'Assigned Vendors applet' and 'Financial Applet'. A red arrow points from the 'Financial Applet' option to a modal window titled 'Financial Applet - PR:Job Financials'. The modal window contains a search bar, a sidebar with 'PR:Job Financials', and a main area with various financial fields and summary statistics.

R:Region ID	PR:Project ID	M:Market ID	PRG:Program ID	PR:Underlying Carrier	S:Cand ID	S:Site Name	C:Ca	ect Class
	000006-100							NSB
Western	AK13916-100	Ala						NSB

Financial Applet - PR:Job Financials

S:Cand ID: 000006 PRG:Program ID: Bac

PR:Project ID: 000006-100 PRG:Program Class:

PR:Financial Health of Job: -\$3.00 PR:Recalc rollup fields:

Job Costs

PR:Job Site Acq Costs: \$1.00

PR:Job Construction Costs: \$1.00

PR:Job Material Costs: \$1.00 PR:TOTAL JOB COSTS:

Job Revenue

PR:Forecast Job Revenue (\$): PR:Actualized Job Revenue (\$):

PR:Site Acq Revenue: \$0.00

PR:CX Revenue: \$0.00 PR:TOTAL JOB REVENUE:

OK Cancel Apply

Topic: External Applets

Similarly, External Applets can be used to provide quick access of external websites – for example – the FCC License Database . . .

Configure External Applets
G:Default ▾ Unsaved Filter ▾

Search for Applet ID ▾

Applet ID	Tracker Type	Applet Name	Applet Label
100162445	Site	Demo External Applet	Demo External Applet
1000061965	Site	Mapping	Mapping
1000062365	Site	FCC Database	FCC Database

Edit App - Google Chrome
demoblue.onevizion.com/admin/configappext/Form.do?id=1000062365

Edit App - General

Applet Name *
FCC Database

Applet Label (#-64104) *
FCC Database

URL *
http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp

Path Params GET Params

Tracker Type *
Site

App Icon *
Assign

Form Width * 100 % Form Height * 100 %
Pos X % Pos Y %

Show in modal window Center Form?
 Run Hidden?

OK Cancel Apply

Topic: External Applets

Similarly, External Applets can be used to provide quick access of external websites – for example – the FCC License Database.

The screenshot shows a web application interface with a table of FCC license data and an embedded browser window. The table has columns for S:Cand ID, S:Site Name, S:Structure Type, S:Verified Structure Height (feet), S:Verified Latitude, S:Verified Longitude, S:Street Address1, S:Street Address 2, S:City, and S:State. The browser window displays the FCC License Search page, which includes a search form and three search options: Advanced Search, Service Specific Search, and Specialized Search. A red arrow points to the 'FCC' button in the top right corner of the application interface.

S:Cand ID	S:Site Name	S:Structure Type	S:Verified Structure Height (feet)	S:Verified Latitude	S:Verified Longitude	S:Street Address1	S:Street Address 2	S:City	S:State
000006	Woodland	Other							SC
000035	Blakewood	Rooftop							GA
000053	Long Meadow	Rooftop							SC
000112	DeFours Crossing	Rooftop							GA
000139	Winnsboro Arms	Rooftop							SC
000141	Lewis Park	Rooftop							IL
000150	Hickory Heights	Rooftop							SC
000175	Landau	Rooftop							SC
000196	The Glens	Rooftop							SC
000210	The Lodge on the Chattahoochee	Rooftop							GA
000230	Patman Switch	Rooftop							TX
000270	Twin Lakes (FL)	Rooftop							FL
000315	Parktown Townhouses (TX)	Rooftop							TX
000316	Signal Pointe	Rooftop							FL
000380	Anton Square	Rooftop							AL
000384	Mill Run	Rooftop							AL
000387	Woodlands	Rooftop							AL
000442	Villages of Baymeadows	Rooftop							FL
000517	Hunters Glen IV (N.I)	Rooftop							N.I

Topic: Notifications

OneVizion features a Notification system that can send emails to individual users or group of users based upon system event triggers. The message text can be customized.

Edit Notification - General

Event Settings

Name *
Site Comment Added

Scope *
Global

Assigned To

Notification Type *
Comment Added

Primary Tracker Type *
S:Site

Reply To

Also Send TO

Notif Service
Default

Enabled?
 Auto Activate for Subscribed Users?
 Html?

Email Configuration

You may include fields from the right side list box into Subject and Body of the message

Attributes
Event:Standard Event Attribu

Subject *
[TRACKOR_TYPE] [TRACKOR_KEY] commented by [AUTHOR_OF_CHANGE]

Message Body *
[MESSAGE]

[ATTACHMENTS]

[COMMENT_LINK]Comment[/COMMENT_LINK]

[ENTITY_LINK]Open [TRACKOR_KEY] [TRACKOR_TYPE]/[/ENTITY_LINK]

ATTACHMENTS
AUTHOR_OF_CHANGE
COMMENT_LINK
DATE
ENTITY_LINK
MESSAGE
NOTIFICATION
NOTIFICATION_TYPE
TRACKOR_KEY
TRACKOR_TYPE

OK Cancel Apply

Scope (Local vs. Global)

Notification Type

- Trackor Added
- Trackor Updated
- Trackor Deleted
- Task Date Updated
- Etc.

Primary Tracker Type

Message Body
(Configured Fields and
other Variables can be
used)

Topic: Notifications

OneVizion features a Notification system that can send emails to individual users or group of users based upon system event triggers. The message text can be customized.

Filters Can also be added. In this case we are ensuring that a legitimate Maintenance Item has been created by checking for a Maintenance ID

The screenshot displays the 'Notifications' configuration page in OneVizion. On the left, a table lists various notification items. The item with ID 100181, 'Tenant Agreement (Lease)Trigger', is highlighted with a red box. The main configuration area shows settings for this notification, including 'Name', 'Scope', 'Assigned To', and 'Event Settings'. A 'Filter' dialog box is open, showing a filter rule: 'TA: Billing Frequency = Annual'. A red arrow points from the filter icon in the configuration area to the filter dialog box.

ID	Name
1002383	Site Comment Added
1002364	Requirement Comment Add
1002344	WP Task Notif Example
1002343	RAD Height Update
1002325	SITE_PROJECT Comment A
1002324	Created Comment Added
1002303	Job Comment Added
1002284	Test Attachment
1002244	CXB Notify Vendor Acceptec
1002243	CXB Notify Vendor
1002224	A&E Deliverable Ready for R
1002223	Test Notification - A&E Read
1002163	Urgent - Closeout Package Mapping Blocking Job NTP Complete Task
100181	Tenant Agreement (Lease)T
100141	Test Notification

Topic: Notifications

OneVizion features a Notification system that can send emails to individual users or group of users based upon system event triggers. The message text can be customized.

SysAdmin can assign Notifications to specific Security Roles

ID	Name	Notification Type	Assigned To	Scope	Enabled	Auto Activate
1002383	Site Comment Added	Comment Added		Global	YES	YES
1002364	Requirement Comment Added	Comment Added		Global	YES	YES
1002344	WP Task Notif Example					
1002343	RAD Height Update					
1002325	SITE_PROJECT Comment Added					
1002324	Created Comment Added					
1002303	Job Comment Added					
1002284	Test Attachment					
1002244	CXB Notify Vendor Accepted					
1002243	CXB Notify Vendor					
1002224	A&E Deliverable Ready for Review					
1002223	Test Notification - A&E Ready					
1002163	Urgent - Closeout Package Mapping Blocking Job NTP Complete Task					
100181	Tenant Agreement (Lease)Trigger					
100141	Test Notification					

General

Role Assignments

Components Package 0

Components Audit Log

Security Role

- A&E Vendor
- Administrator
- Construction Manager
- Construction Manager (Demo)
- Construction Vendor
- Demo_Admin
- Demo_Field_Tech
- Demo_Vendor
- Fully Restricted
- Gen Admin
- Marketing Demo
- ORA_Dev

Topic: Notifications

Users can subscribe to Global Notifications if the System Admin has given them access privileges for that specific notification.

The screenshot displays the OneVizion user interface. At the top, the 'Notifications' section is active, showing a search bar and a dropdown menu for 'G:Default' and 'G:Global Notifications'. Below this is a table of notifications with columns for ID, Name, Notification Type, Assigned To, and Scope. Two notifications are listed: 'Site Comment Added' (ID 1002383) and 'Requirement Comment Added' (ID 1002364), both with a 'Comment Added' notification type and 'Global' scope.

On the right side, the 'User Settings - General Info' panel is visible. It includes a search bar, a 'General Info' tab, and a 'Notifications' section. The 'User Settings' option in the user profile dropdown is highlighted with a red box. The user profile dropdown also shows 'Login As...' and 'Log Off' options.

Below the main notification table, there is a 'User Settings - Notifications' panel. It features a search bar, an 'Edit' button, and a table of notification settings. The 'Notifications' tab in this panel is also highlighted with a red box. The table has columns for 'Active?', 'Notification Name', 'Notification Type', 'Tracker Type', and 'Scope'. Under the 'Type: Other Notifications (14)' section, four notifications are listed with their respective settings:

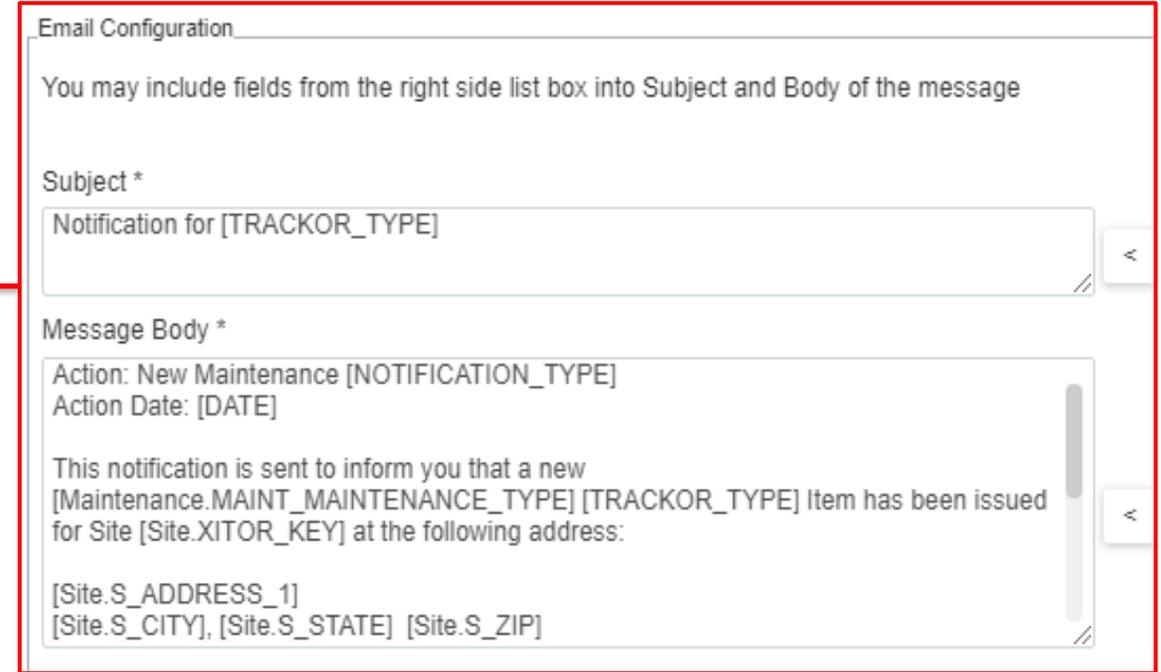
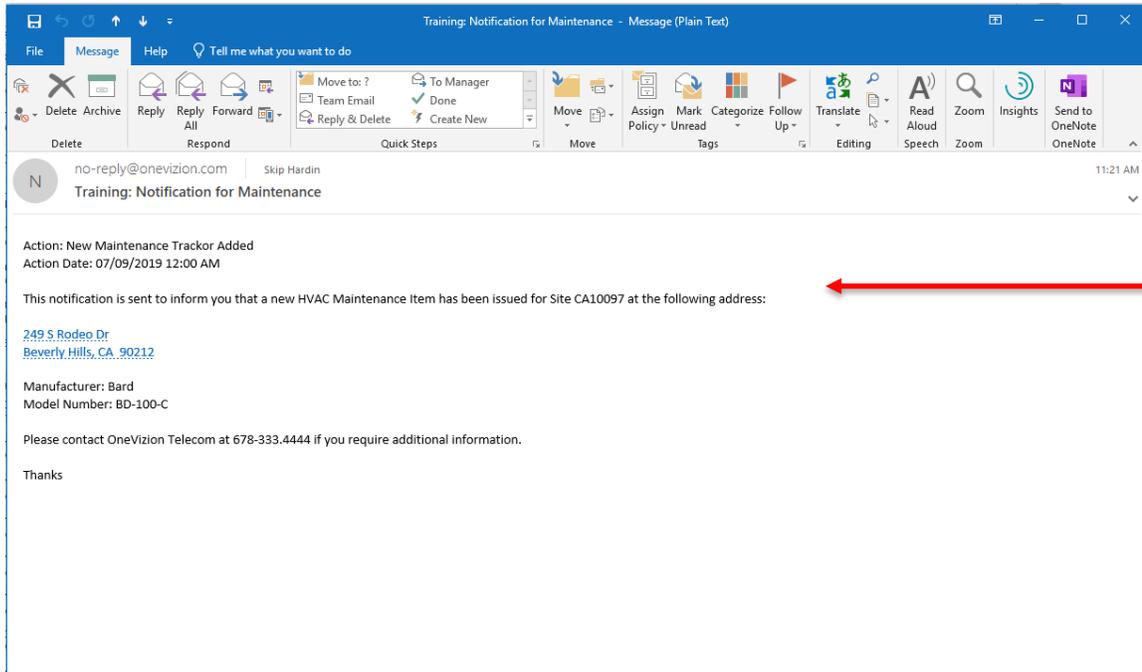
Active?	Notification Name	Notification Type	Tracker Type	Scope
<input checked="" type="checkbox"/>	A&E Deliverable Ready for Review	Tracker Updated	Site Acq Services	Global
<input type="checkbox"/>	CXB Notify Vendor	WF Step Started	CX Vendor Bids	Global
<input checked="" type="checkbox"/>	CXB Notify Vendor Accepted	WF Step Started	CX Vendor Bids	Global
<input checked="" type="checkbox"/>	Configured Fields	Tracker Updated	Accounts	Local

At the bottom of the screenshot, a portion of a larger notification table is visible, showing columns for ID, Name, Notification Type, and Scope. Three notifications are listed:

ID	Name	Notification Type	Scope
1002284	Test Attachment	Tracker Updated	Global
1002244	CXB Notify Vendor Accepted	WF Step Started	Global
1002243	CXB Notify Vendor	WF Step Started	Global

Topic: Notifications

The message text can be customized using embedded tags that map to Configured Fields and/or System Identifiers such as key field IDs.



Topic: Portals

Portals are a very useful feature of the OneVizion application that allows administrators or user to configure multi-frame data screens to facilitate data review, entry and updates.

Portal ID	Portal Name
10010803	My Activities
10010488	My Activities and Pipelin

Available Layout Styles →

Building Portals Involves:

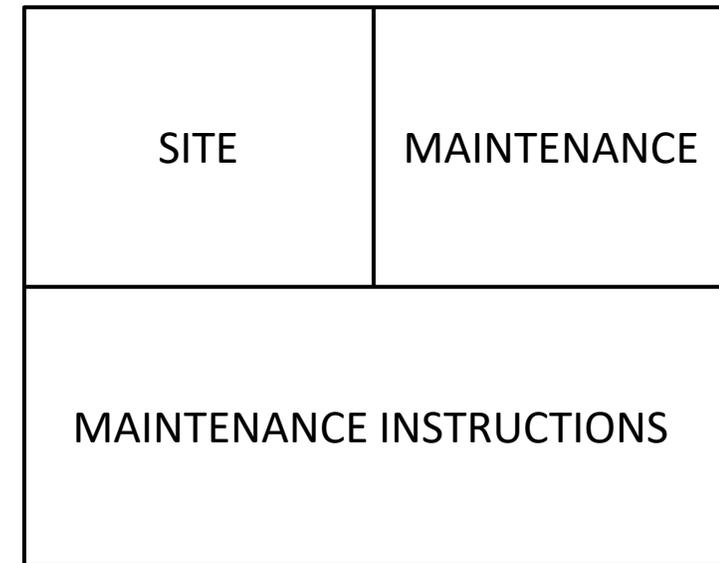
- Deciding what **Information** you wish to present in your Portal
- Deciding upon a **Screen Layout**
- Deciding what type of **Data Objects** will occupy your frames (e.g., Grid, Dashlet, Applet, etc.)
- Setting up the **Linkage** between frames
- Deciding what **Tools and Features** are available for each frame
- Testing

Topic: Portals

Portals are a very useful feature of the OneVizion application that allows administrators or users to configure multi-frame data screens to facilitate data review, entry and updates.

Building Portals Involves:

- Deciding what **Information** you wish to present in your Portal
 - Site, Maintenance and Maintenance Items
- Deciding upon a **Screen Layout**
 - Two Frames on Top and a Single Frame One Bottom
- Deciding what type of **Data Objects** will occupy your frames
 - Trackor Browsers (Grids)
- Setting up the **Linkage** between frames
 - Link Dependent Frame to Parent via Parent-Child Relationships
- Deciding what **Tools and Features** are available for each frame
 - View, Fields, P-C Navigator, Quick Search, etc.



Topic: Portals

Configuring a Child grid frame and linking to a Parent grid frame by Parent-Child relationship

The screenshot displays the OneVizion portal configuration interface. On the left, a sidebar menu includes 'General Info', 'Frames', 'Role Assignments', and 'Components Audit Log'. The 'Frames' section is active, showing a table of frames:

Frame	Type
<input type="checkbox"/>	Grid
<input type="checkbox"/>	Grid

A red box highlights the first frame, and a red arrow points to a modal dialog titled 'Set up frame content'. The dialog contains the following fields and options:

- Frame**: **Type ***: Grid
- Name ***: My Operations Activities
- Caption (#35326)**: My Operations Activities
- Grid Page ***: Tracker Browser
- Tracker Type ***: Activity
- View ***: G: Operations Activities
- Filter**: G: My Activities - To Do & Doing
- Link to Parent Frame**
 - Link Type**: [Empty dropdown]
 - Parent Frame**: [Empty dropdown]
- Grid Options**
 - View Options Filter Selector Parents/Children Selector
 - Nav Panel Buttons Panel Quick Search
 - Add Button Edit Button Delete Button
 - Applet Buttons Show "View" button on data view pages Show "Filter" button on data view pages

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

OneVizion

Simply Smarter Information Management

OneVizion Documentation

For more information regarding these topics,
visit wiki.onevizion.com

Thank You