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## Overview

ZaapIT's Tools suite is a collection of native Salesforce tools made by ZaapIT Software Technologies that provides a state-of-the-art tools for data management for both professional and novice users. Below is the list of our currently available tools followed by the list of common key features to all the Smart-Tables Tools. In the next sections we will learn how to use & configure the different Smart-Tables tools.

### ZaapIT's Tools:

- **Smart-Mass-Update™** - A collection of predefined Smart tabs for common native/custom objects such as Lead, opportunities, Account etc. You can use it as a standalone Salesforce application or replace any "native tabs" with a ZaapIT's smart tabs.
- **DEDUP-Manager™** - A collection of tabs & related list that helps you to de-duplicate your data.
- **Smart-Activity-Manager™** - A collection of predefined Tasks & Events Smart-Tabs that's enables you to control yours and your team's tasks & events from one place & in mas.
- **Community-Grids** – A collection of Smart tabs for you community (smart tabs placed under Salesforce's communities).
- **Smart-Related-Grids** – Are smart grids user as related list, e.g. Place it inside the opportunity layout as opportunity-products or contacts.
- **Customer View** – a 360 view of Salesfforce's account hierarchy with all it's related data
- **Simple CPQ** – opportunity products & quote line items manager for Sales users, it enable users to quickly add products, set the pricing and be productive with many advanced features.

### Common Key Features:

- **Smart Instant-Charts™** - Smart Data driven charts e.g. 1-click automatic charts.
- **Smart Mass Update** - Update multiple fields for multiple records in one click.
- **Mass Delete** – Delete multiple records in one click.
- **Mass Inline Edit** – Edit the grid's cells aka spreadsheet/excel style.
- **Smart Column filter** – filter the grid's record spreadsheet/excel style.
- **Export to file** – support formats xls, doc, pdf, csv & XML.
- **Easy to use interface** - Smart search, sorting, filters, grouping
- **Automatic Summary** - for the entire grid & for grouping.
- **Multi-Column Sorting & groupings** – via the layout editor
- **Smart layout editor** – admin & none-admin versions are available
- **100% Salesforce hosted**
- **Multi language support** – via Salesforce's translation workbench
- **Secured** – we do rigorous security checkups & tests on every version we release including [Salesforce's ISV security review](#).

### Smart Mass Update

The Smart mass update feature (Figure 1) enables you to update multiple fields for large number of records with few clicks of a button.

The Smart mass update feature offers you three working modes:

1. **Preview mode** – The data is changed only on the screen to enable the user to preview their changes before saving them to the Salesforce database (Figure 2).
2. **Mass Update All/Filtered rows** – This admin-only option will update all the rows based on the selected filters & search.
3. **Selective Update Mode** - Select the relevant rows on your screen and then click on the mass update button. This action will update only the selected rows e.g. you can update only 5 rows out of the 25 rows that you see on your screen.

To add/remove fields from mass update popup edit the layout and add/remove a column or make the row hidden by add a custom css statement. For more details please refer to the Layout Editor section.

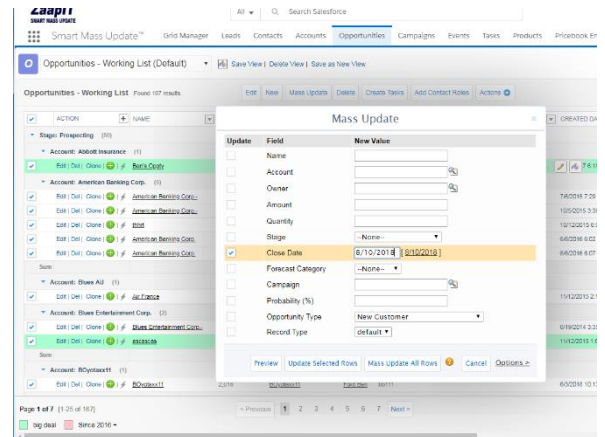
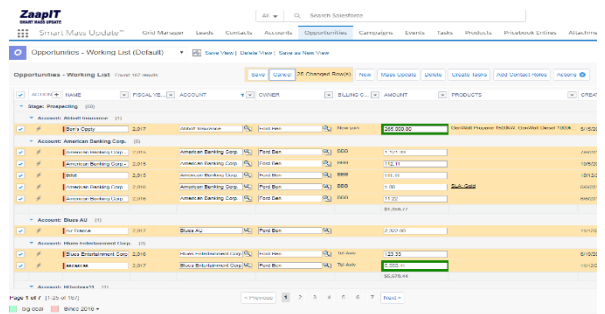


Figure 1 - Mass Update



### Mass Create

The mass create feature enables you to create related-object for multiple objects. For example, you can create multiple tasks for all/selected contacts in the following example (Figure 3).

To create such a mass create button – open the table’s layout editor and create a new button:

Button name: Create Tasks, Button link/JS: `openMassCreate('tasksMC','whoid','Mass Create','1');`

To create different mass-create buttons follow this JS API definition: `openMassCreate(Preview-table-configuration-name,destination-API_FIELD_NAME-for-select-rows ,window-title, use-selected-values, skip-if-exists);`

The *Preview-table-configuration-name* must be a real smart-table/grid, make sure the grid has the following advanced filter: `id in ({ID})`

### Mass Create Tasks (objects) for Contacts, Accounts, Leads, etc...

The screenshot displays the 'Mass Create' dialog box in the ZaapIT interface. The dialog is titled 'Mass Create' and is open over a 'Contacts - Working list' table. The dialog has the following fields and options:

- Mass Create Tasks:** Buttons for 'Create Selected (25)', 'Create All (813)', and 'Cancel'.
- Fill in the fields to create 25 / 813 Tasks:**
  - Subject:** A text input field.
  - Related To:** A dropdown menu set to 'Account'.
  - Status:** A dropdown menu set to 'Not Started'.
  - Comments:** A text input field.
  - Due Date:** A date input field set to '8/10/2018'.
  - Priority:** A dropdown menu set to 'Normal'.
  - Type:** A dropdown menu set to '--None--'.
- Buttons:** 'Create Selected (25)', 'Create All (813)', and 'Cancel'.

The background interface shows a table of contacts with columns for 'ACTION' and 'FULL NAME'. A yellow arrow points to the 'Create Tasks' button in the 'Actions' menu on the right side of the interface.

Figure 3 - Mass Create

### Mass Delete

The mass delete feature (Figure 4) enables you to delete a large volume of rows with few clicks of a button. Just select the rows you wish to delete and then click on the top delete button (the delete all/filtered options is only available for admins).

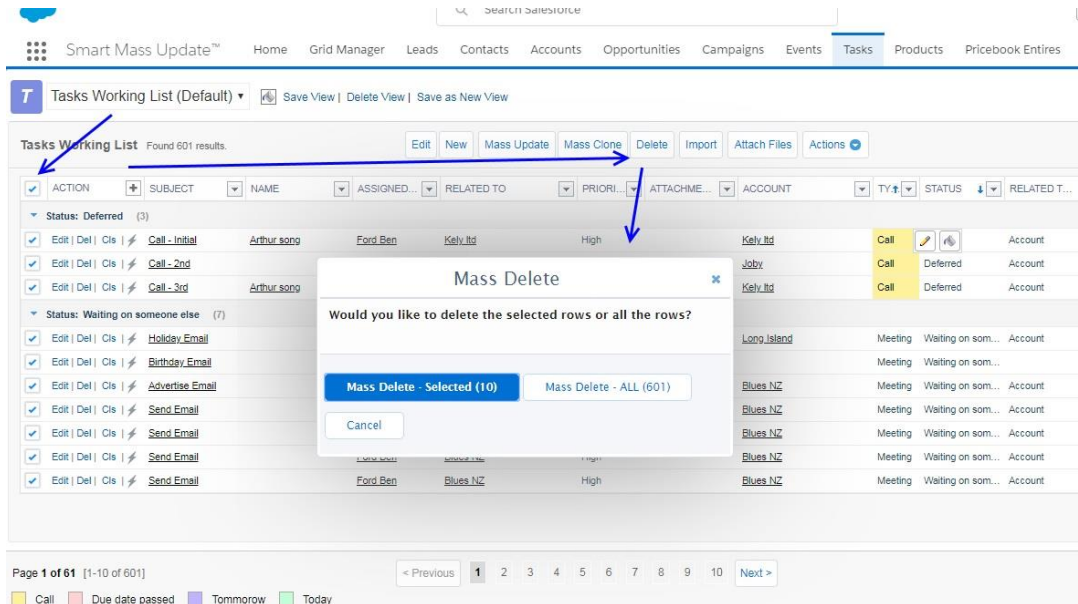


Figure 4 - Mass Delete

### Mass Inline Edit

The mass inline feature (**Error! Reference source not found.**) enables you to inline edit a large amount of data without double clicking each field/row. Just click the top edit bottom to enter this inline edit

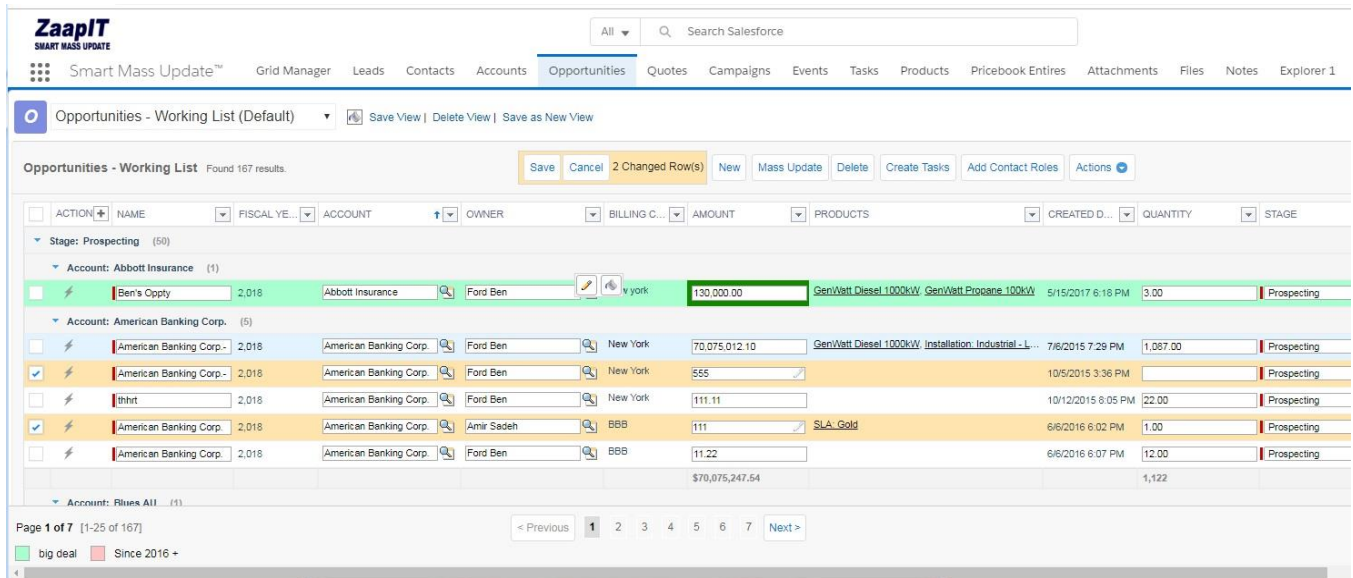


Figure 5 - Mass Inline edit



mode.

### Smart Search

The Smart Search feature (Figure 6) enables you to search the entire table’s text fields and find the relevant rows.

Technically speaking, the search finds every row in the database that has a text field that contains a word presented in the search field.

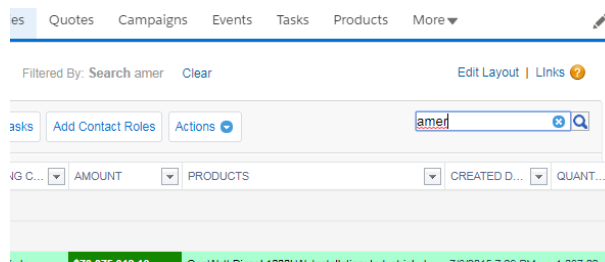


Figure 6 - Smart Search

### A Smart Search Example:

When a user types “amer close”, the search results knows to return the most relevant results in this case “amer” in the account-name column and “close” on the Stage column.

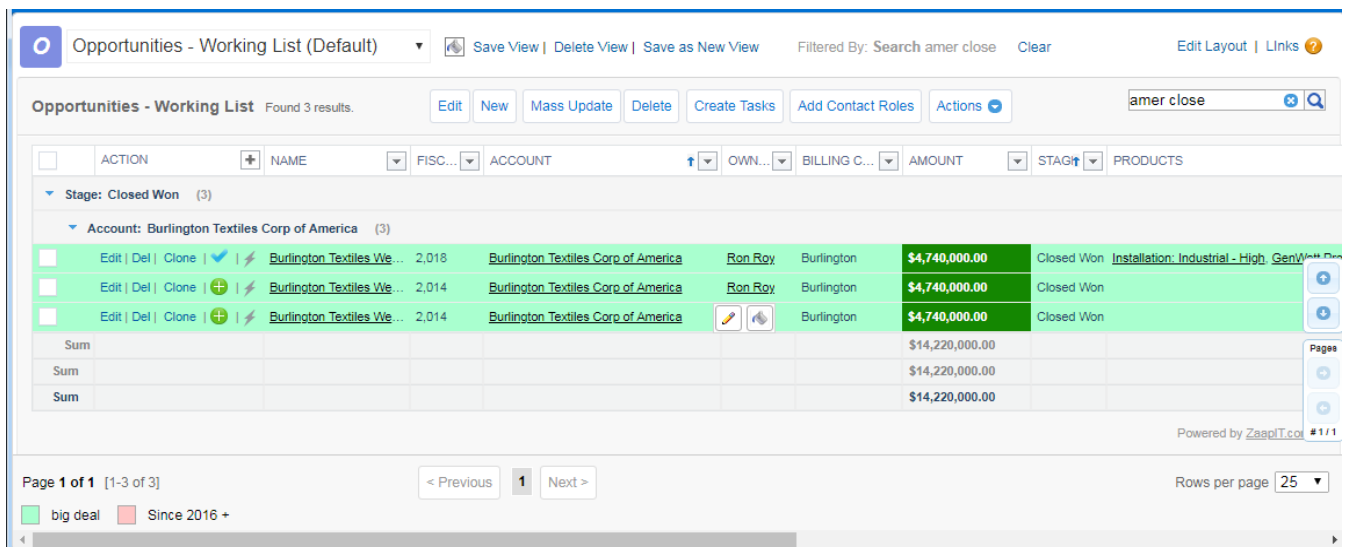


Figure 7 - A Smart Search Example

### Smart Column Filters

The Smart Column Filters (Figure 8) enables you to filter a specific table column by choosing / typing the relevant data – “Spreadsheet Style”. For your convenience we also placed two sorting links on the Smart-Column-Filter menu, so you will be able to control the sorting direction easily, i.e. in addition to the regular click-a-column header sorting. The Smart Column filters also include the optional Instant Charts™ feature. For more information, please read the next Instant Charts™ section.

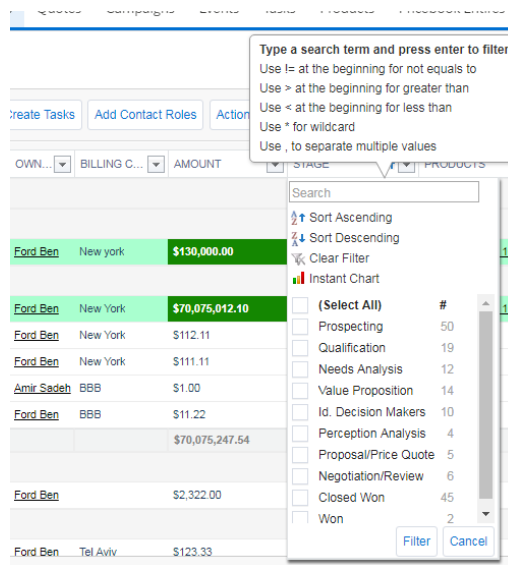


Figure 8 – Smart Column Filter (Text)

Figure 8 and Figure 9 illustrate the different types of Smart-Column-Filter: free text, integer, checkbox, currency / decimal and date filed type.

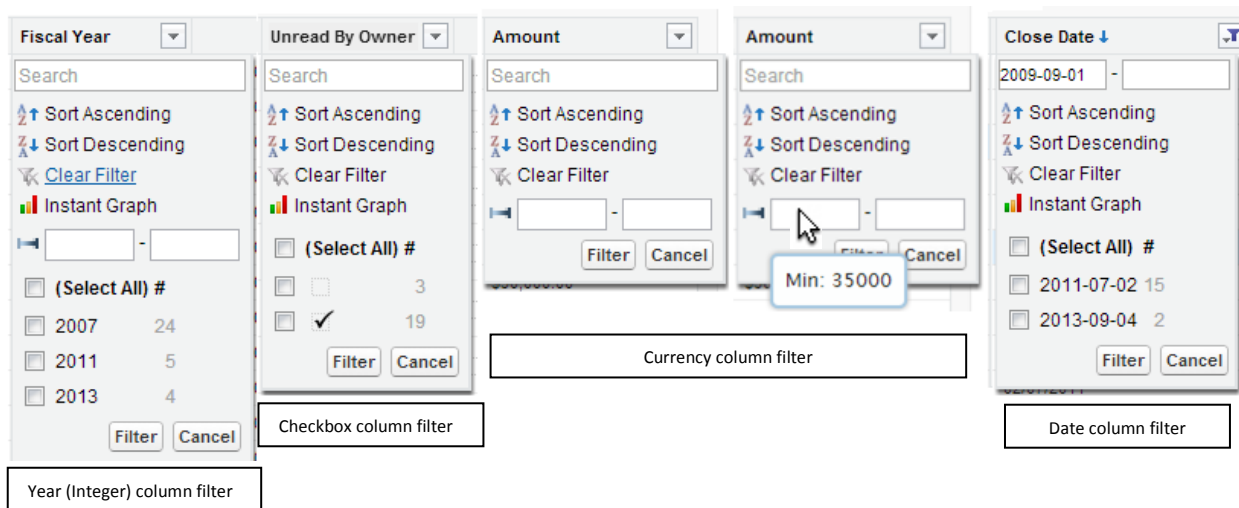


Figure 9 - Different types of Smart Column Filters

### Instant Charts™

The Instant Chart™ feature (Figure 10) enables you to create a quick graphic illustration of your data in just 2 clicks, just open the column filter and click on the Instant- Charts™ link. Our entire collections of Instant Charts™ are touchable action charts, meaning you can click and filter any Smart-Table grid from the chart itself. You can even do it while editing, sorting and filtering by another field, the chart will stay on the page until you close it or leave the page. Pinning the chart to the grid’s top will enable you to save that chart for the current view Figure 11 (you can pin several charts to the grid’s top).

How does it work? Our product automatically detects the right chart based on the column type and the amount of data presented on the chosen column itself.

By default the Instant-Charts™ groups similar rows and show the count for each group using different charts / graphs. To add an additional dimension such as a currency-field to the totals of each group use the top edit-layout link, you can find more information for this option on the Layout Editor section. Figure 10 illustrates the usage of opportunity-amount field as the additional dimension; please note that the groups on chart (right & left side) are sorted by amount (and not by count).

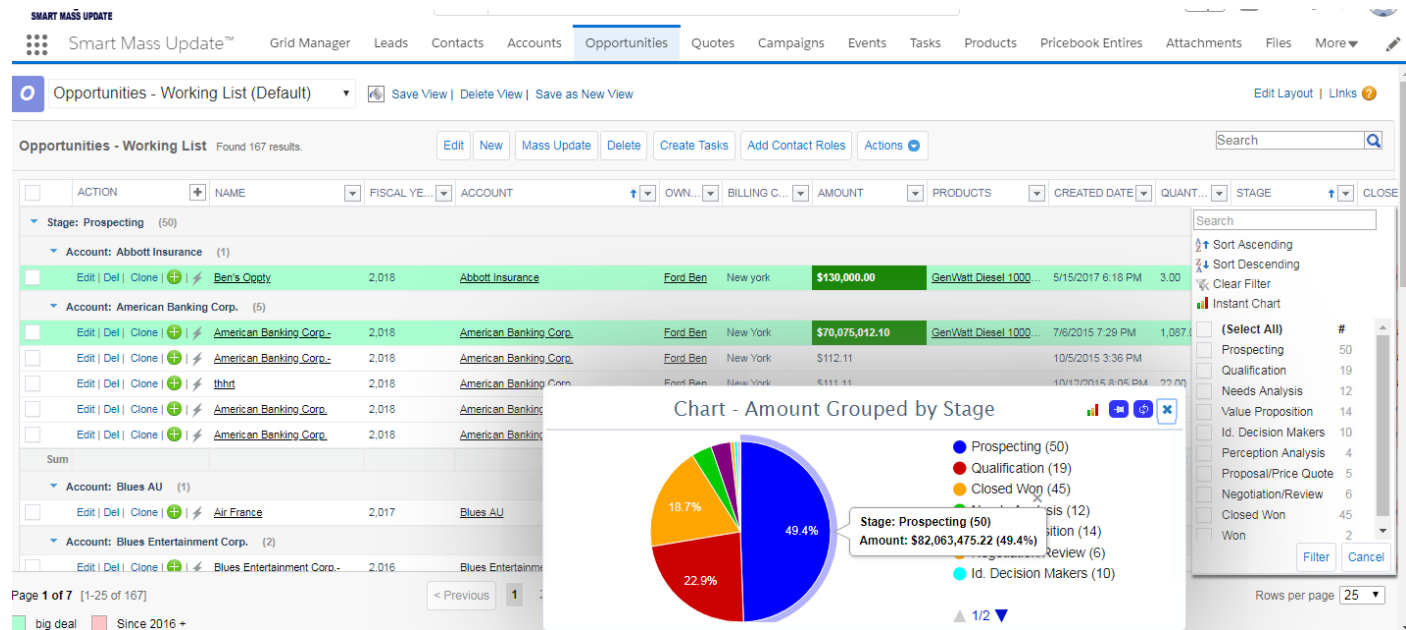


Figure 10 - Instant Charts®

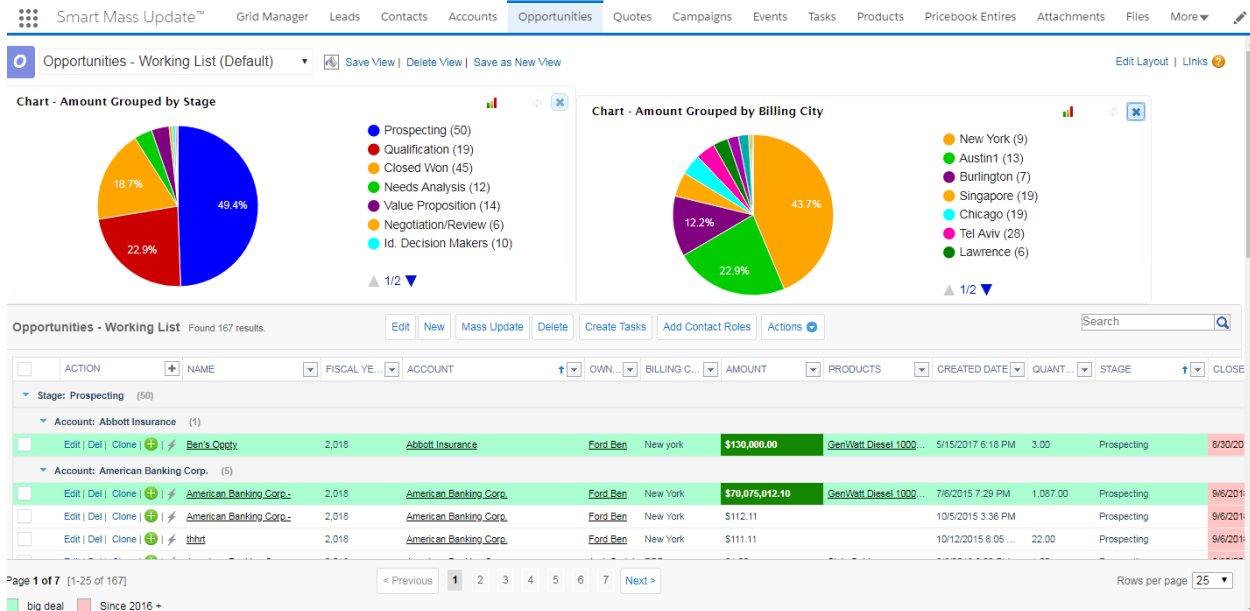


Figure 11 - Instant Charts pinned to the grid's top

The Instant-Charts™ collections include several types of charts: Line chart, Pie Chart, Bar Chart and Date Chart & Country Map chart.

Figure 12 illustrates the date chart in action. In the following example we filtered the Smart-Table grid by using the Date Chart itself and restrict the chosen date range to 16-Apr-2013 - 08-Aug-2016 (also reflected in the column filter date range).

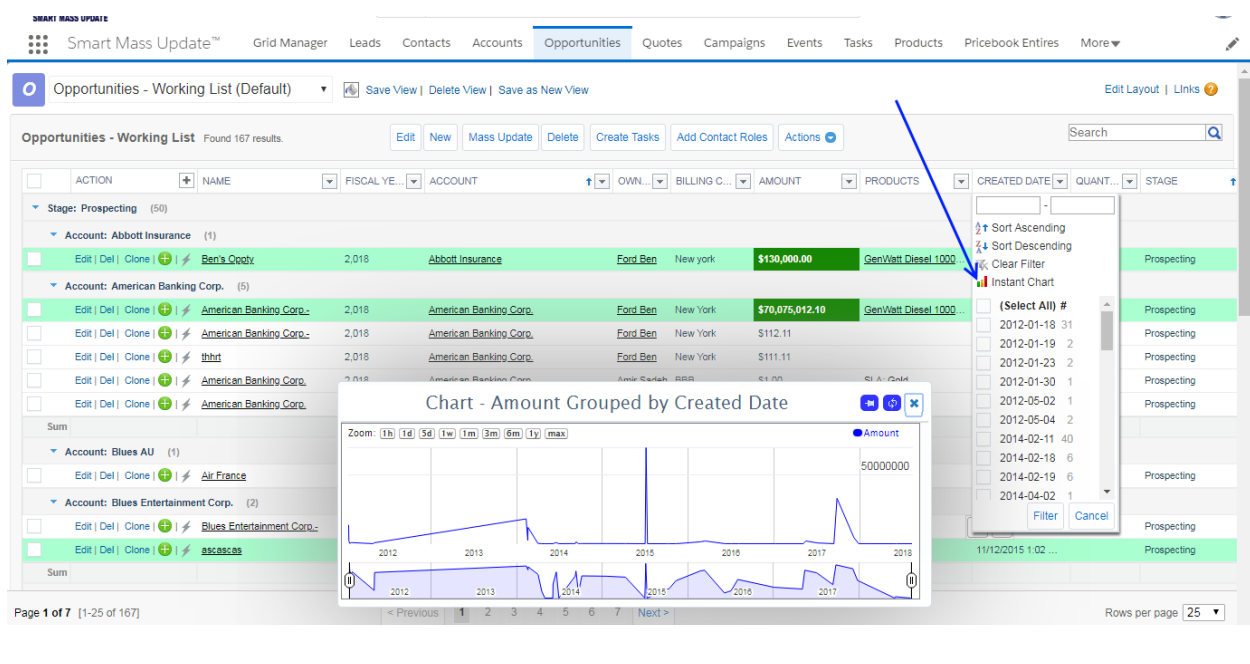


Figure 12 - Date Chart in action

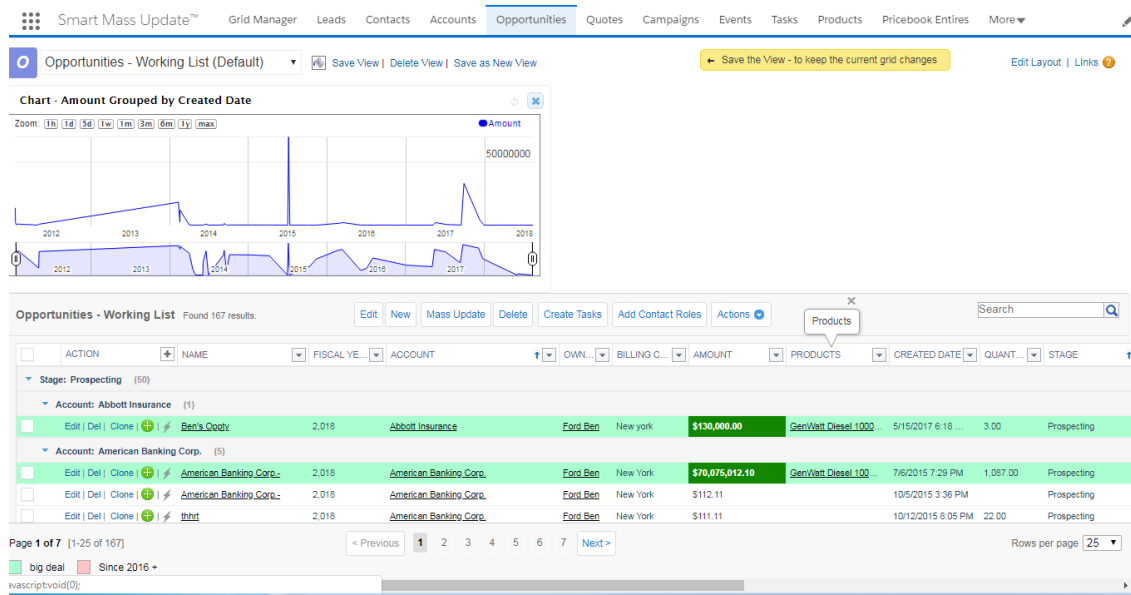


Figure 13 - Date chart pinned to the grid's top

### Data export - Word, Excel ,PDF, CSV & XML

The data export feature (Figure 14) enables you to export any data to PDF, Word, Excel, CSV & XML. Just click on the export button on the grid's top to enter the export popup (Figure 14). For your convenience, when exporting to Excel a new filter row is generated for you (Figure 15).

Please note: The data export feature takes into account the search & filters i.e. you can choose and export only the relevant data for any business use case. As an example, on Figure 15 we exported all the opportunities that match our searching criteria: "uni".

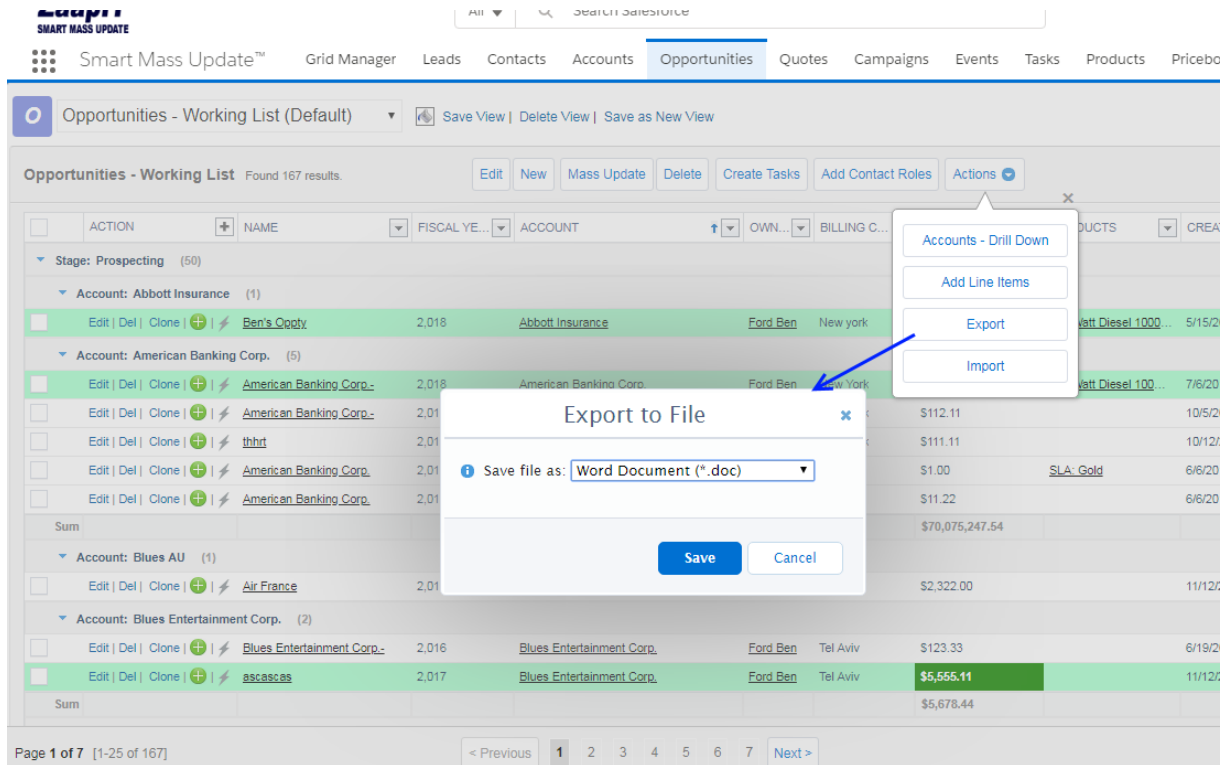


Figure 14 - Data export - PDF, Word, Excel, CSV

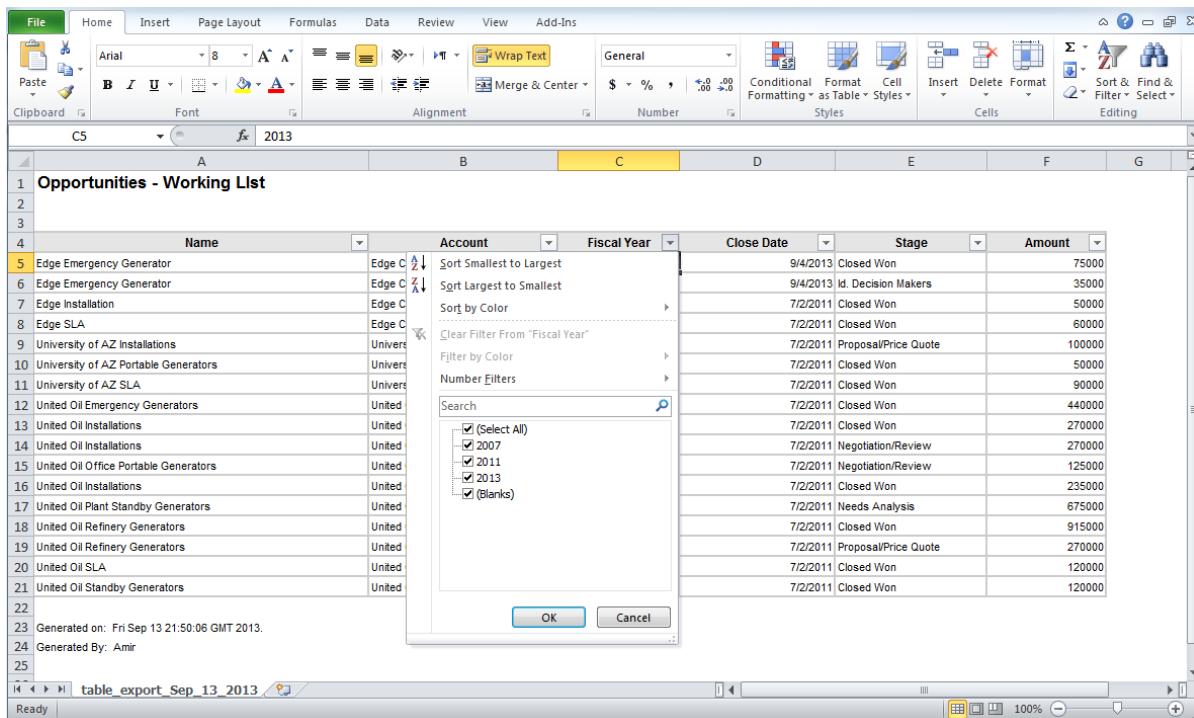


Figure 15 - Export to Excel

### Multi Column Sorting & Multi Level Groupings

The multi column sorting (Figure 16) serves as the default sorting for a view/ grid. It is being controlled from the edit layout link. This feature compliments the regular point & click column sorting. The multi-level grouping and group similar values into groups and auto-calculate totals & sub-totals for those groups.

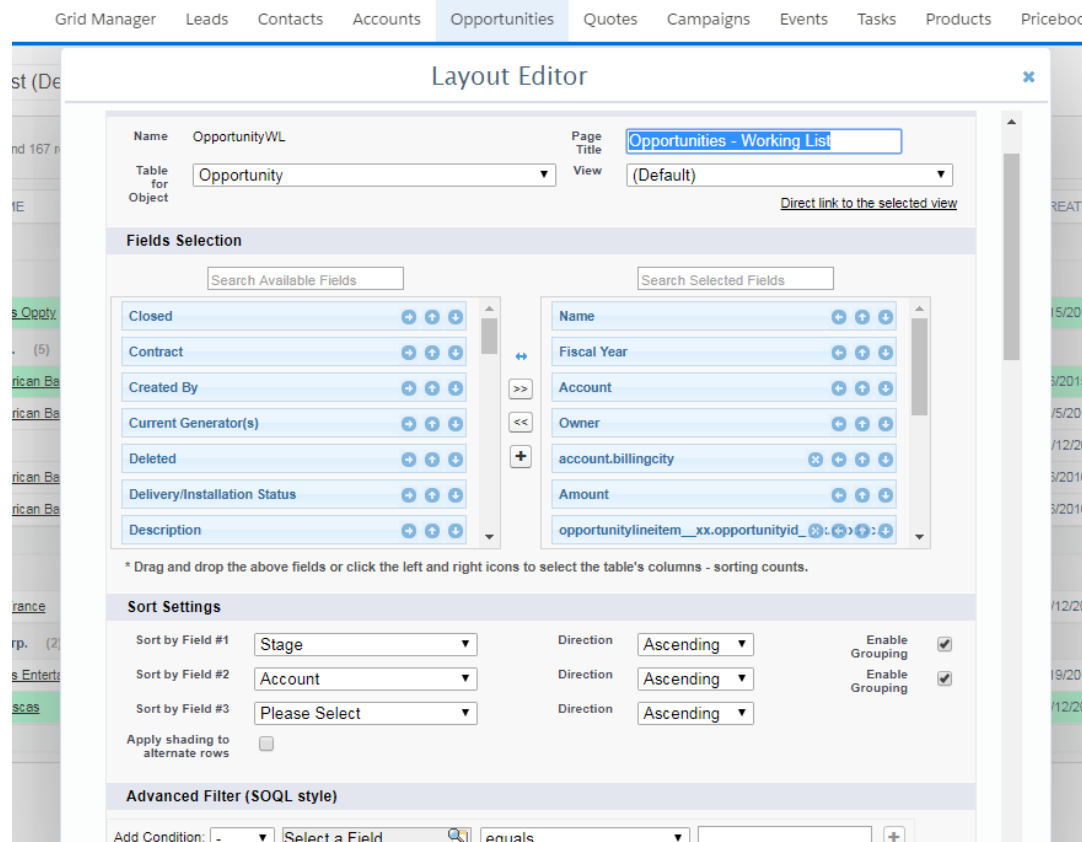


Figure 16 - Multi Column Sorting & Multi Level Groupings

### Layout Editor

The Layout Editor (Figure 17) enables any users / administrator to control the grid layout, columns, content, buttons and general behavior. Each grid / view has its own Edit-layout settings; those settings are shared among all the users. To restrict a user / all users from changing those settings read the “Restricting Edit Layout Link Access” section or set the sharing settings for zaapit tables object (setup>>search > sharign settings>zaapit tables>...).

In the rest of this section we will review the different features available on the layout editor popup.

### Basic Settings

Filling-in the basic settings section (Figure 17):

- Name – the grid’s API name aka custom setting page name

- Page Title - The title of the Smart-Table grid.
- Table for Object – the main grid object. Support objects: Native objects, Custom objects, settings, external objects and others.

### Columns / Fields Selection

Set up the field selection section by dragging the fields from left side and dropping them on the right side in the desired order (Figure 17).

- Available Fields – The chosen Object fields (Table for Object).
- Selected Fields – the fields that were dragged from the Available-fields side.
- Advanced field selection ([+] button)
- Sort Setting – The grid’s sorting & groupings (see Multi Column Sorting)

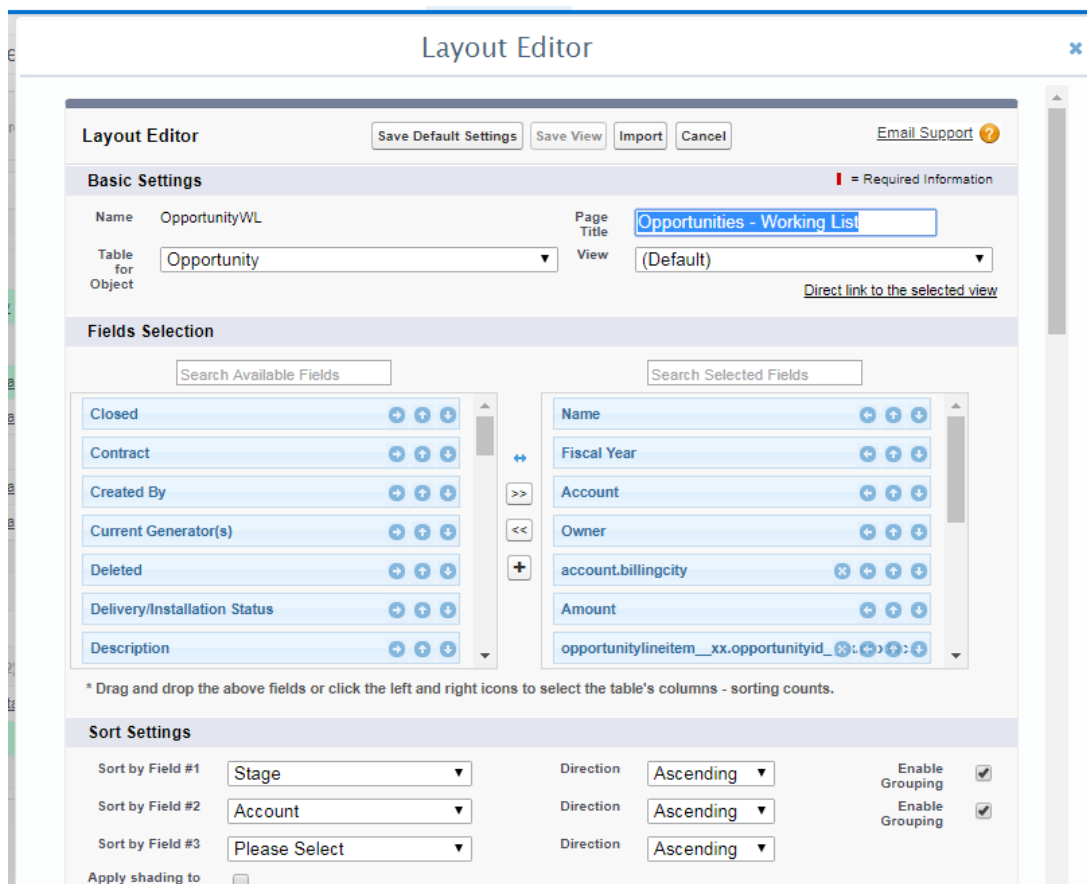


Figure 17 – Layout Editor

### Advanced Columns / Field Selection

Add any regular / lookup / related child field with the Advance-Add-a-Column option. Click the [+] button located between the Available-Fields section and the Selected-Fields section (Figure 17). Choose



the relevant fields then type your column title, filter column records, add a custom Ajax tooltip page or a custom link (Figure 18). Stand on the orange question mark in the small window for more details.

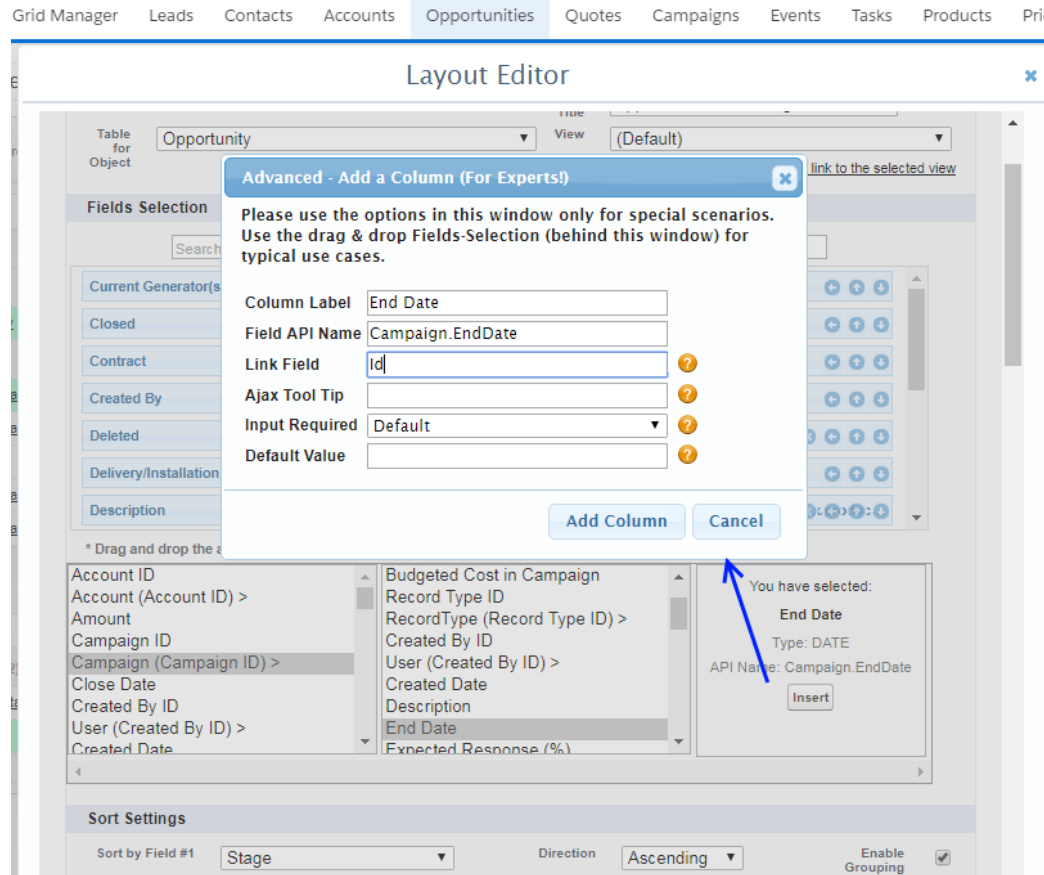


Figure 18 - Advanced field selection

### Custom Buttons

Create as many custom buttons as you need – on each save the system will offer you 3 more buttons (Figure 19).

#### Button types:

- Link / JavaScript button – Enter the name of the button on the left input field and type a link/URL or add a small JavaScript on the right input field. You can use {ID} to reference the parent object (useful in related list mode – see related grids). “Demo Button 2” and “Demo Button 3” are a link & JS examples (Figure 19).
- Salesforce custom buttons – Create a regular Salesforce JavaScript button for the current grid’s object and put its API name in the left button name field e.g. see “button\_demo1” on Figure 19 and its Salesforce definition on Figure 20.

**Developer Tip:** currently only the related list parent field {ID} is available. Please use the

JavaScript AJAX API to fetch other fields or extend the page for more fields and custom controller.



Figure 19 - Custom Buttons

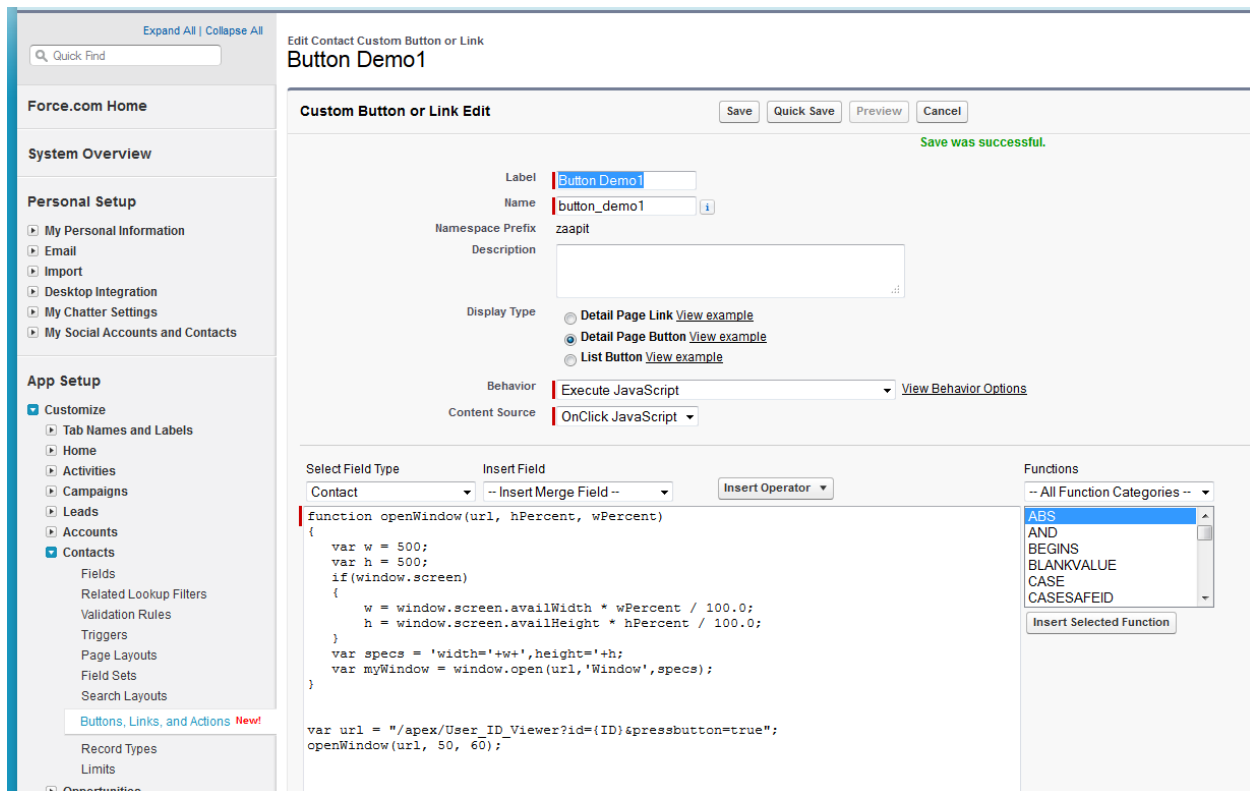


Figure 20 - Custom Demo Button

**For developers / advanced users:** You can forward the selected rows from a smart table to your standard controller that uses “recordSetVar” option by creating a custom button and using the following script:

```
var checkedIds="";
$(".lcbX input:checked").each(function(){
    checkedIds+="&ids="+$(this).parents(".lcbX:first").attr("rid");
});
if(checkedIds==""){
    alert("please select a row...");
}else{
top.location="https://cs15.salesforce.com/apex/putyour_visualforcepage_here?id={ID}&retURL={ID}&wrapMassAction=1&controlCaching=1"+checkedIds;//{ID} is account id in this case
}
return false;
```

**Example #2 enable multiselect for several pages (upload the script to static resources and use it under the layout editor):**

```
var CollectedIDs="";
$(document).ready(function(){
    fixMultiSelect();
    $("body").bind("OnLoadDone",fixMultiSelect);
});
function fixMultiSelect(){
    $(".lcbXAll").attr("onclick","cbAll(this);$('.lcbXRow').trigger('checkboxChanged').prop('checked',false);
    $(".lcbXRow").bind("click checkboxChanged",function(){
        var rid=$(this).parents(".lcbX:first").attr("rid");
        if($(this).prop("checked")){
            CollectedIDs=CollectedIDs+","+rid;
            CollectedIDs=CollectedIDs.substring(1);
        }else{
            CollectedIDs=CollectedIDs.replace(rid,"").replace(",","");
        }
        if(CollectedIDs.indexOf(",")==0){
            CollectedIDs=CollectedIDs.substring(1);
        }
        if(CollectedIDs.indexOf(",")==CollectedIDs.length){
            CollectedIDs=CollectedIDs.substring(0,CollectedIDs.length-1);
        }
        alert(CollectedIDs);
    });
}
```

### Advanced Settings:

Customize your Smart-Table grid to fit your company needs by using the following advance settings (Figure 21):

- Rows per page - set the number of displayed rows in one page, starting at 10 up to 500.
- Table in small font – when displaying a large amount of data in one page you might want to reduce the font size (to 8pt) to see more data on each page.
- Always show checkboxes – In read-only mode (read only objects) the checkboxes are hidden by default, when creating a custom JavaScript button you can use this option to force the row's checkboxes become visible.
- Show mass update & inline edit button – Removes the top Mass-Update and Edit buttons.
- Show Export (xls,doc,pdf,csv,xml) – You can remove the top export & import buttons by unchecking this option.
- Related List Reference field – When using this table as a related list please choose the “Partner Object ID” as the lookup field. For Example: choose opportunity id for opportunity products related list (placed inside an opportunity).
- Show Column Filter – show the column filter on the header row (uncheck to hide it).
- Disable formula-field groupings – Formula field grouping can be slow in some cases, so you can disable it and offer the filter itself without showing all the options.
- Maximum rows for calculating formula-field groupings (textual formula filters) – the number of rows used for calculating a formula-field groupings for Smart-Filters (default: 3000).
- Hide Action column (Edit & Delete) – Hide the action column on read-mode (removes the edit & delete links from the left side of each row).
- Maximum item-per-page selector – end a number to restrict the maximum items per page on the bottom left side of the table (Item per page: 10 | 25 | 50 | 100 | 200 ....).
- Hide Table's Totals Row – Hide the Smart-Table total rows (summary line) + groups-sub-totals when there are no relevant summary fields that you want to expose.
- Exclude fields from total row (sub-total rows) – you can choose to exclude some of summary fields placed on the summary row. Use the Salesforce field API names and separate each field with '#' i.e. in case you have more than one field to exclude
- Hide Scroll Buttons – when scrolling down on long pages you will see an on the right side of your screen an up & down floating buttons that can help the user to navigate up and down - useful in tablets. Uncheck this option to hide those floating buttons.
- Open Page on edit mode (default) – you can choose to open your Smart Table directly in inline-edit mode (instead of clicking the top edit button).
- Hide customize link from everyone (Mainly For developer) – once you are done configuring this Smart Table you can hide the customize link from everyone including yourself (revertible from setup>custom settings>Zaapit Smart Tables), read the following “Restricting Edit Layout Link Access” section for more options.
- Hide multi choice filter – you can choose to show the regular Smart-Column-Filter without the extra multi-choice section (the one with the checkboxes).

- Hide instant graph link – mark this checkbox to hide the Instant-Graph™ link placed on your Smart-Column-Filter.
- Apply shading to alternate rows - Apply shading to alternate rows based on Sort by Field #1. Use Sort\_color1 & Sort\_color2 custom labels to change the colors.
- Group different/alternate rows by sort - Group different/alternate rows based on “Sort by Field #1” / user sorting.
- Enable Advanced Text Search – supports textareas & long-text fields, does not support pick-lists (SOSL style)
- New record link - Replace the URL/Address for the top “New button” (use that to autofill data). Example: /a01/e?parent\_id={ID}&parent\_\_c={NAME}  
\* {ID} and {NAME} are the parent’s id and name, returnUrl will be added automatically so please omit that from the url.
- Add X Empty Rows (default) – set the default number of new empty rows that you want to add upon clicking the add in place / add row / “+” button.
- Apex-Class Logic Extend – Write your own apex-class and trigger them on specific events. Your class must implement ZPTableHandler (it may also need to be global class).  
Format: EventName~classNameSpace~ClassName#EventName2~classNameSpace2~ClassName2  
Supported Events: BeforeSaveUpdate, AfterSaveUpdateOK, BeforeSaveInsert, AfterSaveInsertOK, AfterAllSaveOK,AfterAllSaveNOTOK, BeforeMassClone,AfterMassClone, BeforeMassUpdateAll,AfterMassUpdateAll, OnAddRow
- Amount field for Charts – Choose an amount/currency field for your Instant-Graph™, the selected field will be used to calculate the graph’s group-value. Leave this field on the “please select” choice to use the default row-count group-value. For example: Choosing Opportunity amount for an opportunity Smart-Table will lead to an Instant-Graph™.
- Remove name-field from export (for no-name tables) – mark that option for objects/tables that doesn’t have the standard name field otherwise you may see a warning/error message during export

### **Advanced Filter (SOQL style) - Useful for admin users or developers:**

Add a SOQL condition and filter out unwanted data automatically from your Smart-Table.

In case of an unexpected or problematic result you can empty this field from setup>custom settings>table name> "ExtraConditionFilter" field.

### Layout Editor ✕

**Advanced Settings**

<p>Rows Per Page - Default: <input style="width: 50px;" type="text" value="10"/> ?</p> <p>Always Show Checkboxes: <input type="checkbox"/></p> <p>Hide Edit Button on View-Mode: <input type="checkbox"/></p> <p>Show Delete Button on View Mode: <input checked="" type="checkbox"/></p> <p>Hide New &amp; Delete buttons on edit mode: <input type="checkbox"/></p> <p>Show Export (Xls,doc,pdf,csv) on View mode: <input checked="" type="checkbox"/></p> <p>Turn On Scrolls for RL &amp; sub-tabs: <input type="checkbox"/></p> <p>Show column filter (texts &amp; numbers &amp; Dates): <input checked="" type="checkbox"/></p> <p>Maximum rows for calculating formula-field groupings (textual formula filters): <input type="text" value="10,000"/></p> <p>Maximum item-per-page selector - footer: <input type="text" value="500"/></p> <p>Exclude Fields From Total (Seperate with #): <input type="text"/></p> <p>Open Page on edit mode (default): <input type="checkbox"/></p> <p>Hide Multi choice filter (excel style): <input type="checkbox"/></p> <p>Disable Geo-Map for graphs(country graph): <input type="checkbox"/></p> <p>New-Record-Button Link Special Chars (empty to enable the add row button, Default: 00T): <input type="text" value="00T"/></p> <p>Remove name-field from export (for no-name tables): <input type="checkbox"/></p>	<p>Table in Small Font: <input checked="" type="checkbox"/></p> <p>Show Mass Update &amp; Inline Edit Buttons: <input checked="" type="checkbox"/></p> <p>Show Mass Update Button on View-Mode: <input checked="" type="checkbox"/></p> <p>Show Mass Clone Button: <input checked="" type="checkbox"/></p> <p>Hide Add Row buttons: <input type="checkbox"/></p> <p>Maximum number of rows for export: <input type="text"/></p> <p>Related List Reference Field: <input type="text" value="Please Select"/> ?</p> <p>Disable formula-field groupings (on filter): <input type="checkbox"/></p> <p>Hide Action column (Edit&amp;Delete) on read only mode: <input type="checkbox"/></p> <p>Hide Table's Totals (footer) + subtotals Rows: <input checked="" type="checkbox"/></p> <p>Hide Scroll Buttons: <input type="checkbox"/></p> <p>Hide Customize Link from EVERYONE (Revertible from custom settings): <input type="checkbox"/></p> <p>Hide instant graph link: <input type="checkbox"/></p> <p>Amount field for graphs (Default: count rows): <input type="text" value="Please Select"/> ?</p> <p>Open text-area in dialog (in edit mode): <input checked="" type="checkbox"/></p> <p>Show user-guide link next to buttons: <input type="checkbox"/></p>
---	--

Figure 21 - Advanced Settings

### Advanced Filter (SOQL style)

Add Condition:  Select a Field

0/500

?

Examples: amount>0 and quantity=3 and ownerid={UserInfo.UserId} and CreatedDate > TODAY. You can use the current table's fields with SOQL operations.

Use {UserInfo.UserId} for the logged-in Userid. Example: createdbyid={UserInfo.UserId}.

Use {ID} for the current parentID (sent via the URL id=xxx). Example: createdbyid={ID}.

Use {HID} ? for the current Hierarchy\_ID (of the current id=xxx). Example: accountid={HID}.

In case of an unexpected/problematic result you can empty this field (named "extraConditionFilter") under setup>custom settings.

Figure 22 – Advanced Filter (SOQL Style)

### Restricting Edit Layout Link Access

To grant access/ restrict a particular user from using the “Edit Layout” link please choose from one of the following options:

- To give access to the Edit-Layout link for a specific user with admin-rights to all the Smart-Tables/ grids at once, just tick the “Enable ZaapIT's Layout Editor” checkbox under the user details: Go to setup>personal information>edit layout, add the “Enable ZaapIT's Layout Editor” field to your layout (Figure 23) and mark it for the checkbox (Figure 24). For none-admin users you tick the “Enable ZaapIT's **View** Editor” instead of “Enable ZaapIT's **Layout** Editor” which restricts the access to the advanced settings & custom buttons sections ( afterwards the user won't be able to change the table-for-object field i.e. to change the table-for-object drop down)

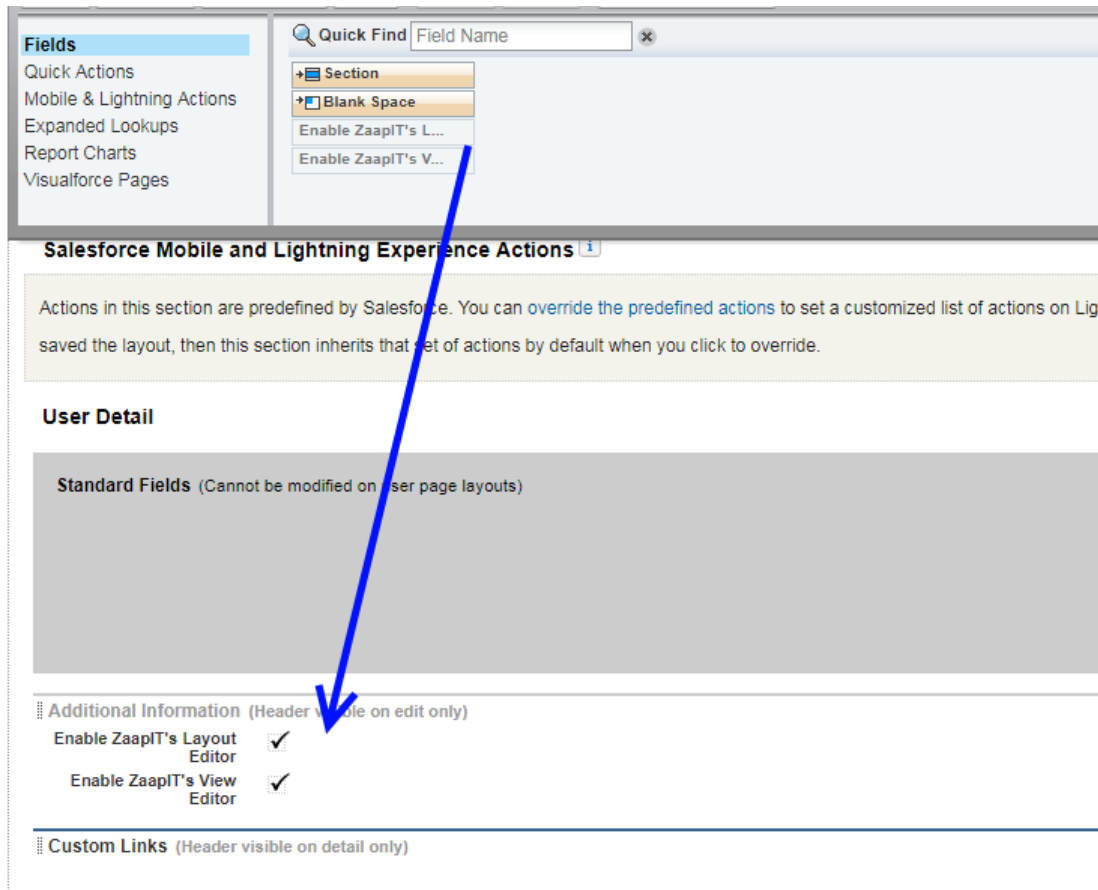


Figure 23 - Personal Information Layout

**Please note:** to edit the grid's default-view none-admin users will need the customize application permission “setup>user-profile>Customize Application” checkbox

**Force.com Home**

**Administer**

- Manage Users
  - Users
  - Mass Email Users
  - Roles
  - Permission Sets
  - Profiles
  - Public Groups
  - Queues
  - Login History
- Manage Apps
- Manage Territories
- Company Profile
- Security Controls
- Domain Management
- Communication Templates
- Translation Workbench
- Data Management
- Mobile Administration
- Desktop Administration
- Email Administration

**User Detail** [Edit] [Sharing] [Change]

Name	Ford Ben
Alias	FBell
Email	
Username	
Nickname	
Title	
Company	Zaapit
Department	
Division	
Address	
Time Zone	(GMT+02:00) Israel Standard Time (Asia/Jerusalem)
Locale	English (United States)
Language	English
Delegated Approver	
Manager	
Receive Approval Request Emails	Only if I am an approver
Enable ZaapIT's Layout Editor	<input checked="" type="checkbox"/>
Enable ZaapIT's View Editor	<input type="checkbox"/>

Figure 24 - Personal Information

- To hide the Edit Layout link from everyone – check the “hide Customize link checkbox” (Figure 25) to revert this option please go to setup>custom settings>Zaapit Smart Tables>”table name” and uncheck that checkbox (or do that from the grid manager tab...).

**Layout Editor** [Close]

view-mode	update Button on View-Mode
Show Delete Button on View Mode <input checked="" type="checkbox"/>	Show Mass Clone Button <input checked="" type="checkbox"/>
Hide New & Delete buttons on edit mode <input type="checkbox"/>	Hide Add Row buttons <input type="checkbox"/>
Show Export (Xls,doc,pdf, csv) on View mode <input checked="" type="checkbox"/>	Maximum number of rows for export: 10,000
Turn On Scrolls for RL & sub-tabs <input type="checkbox"/>	Related List Reference Field: Please Select
Show column filter (texts & numbers & Dates) <input checked="" type="checkbox"/>	Disable formula-field groupings (on filter) <input type="checkbox"/>
Maximum rows for calculating formula-field groupings (textual formula filters): 500	Hide Action column (Edit&Delete) on read only mode <input type="checkbox"/>
Maximum item-per-page selector - footer: 10,000	Hide Table's Totals (footer) + subtotals Rows <input checked="" type="checkbox"/>
Exclude Fields From Total (Seperate with #):	Hide Scroll Buttons <input type="checkbox"/>
Open Page on edit mode (default) <input type="checkbox"/>	Hide Customize Link from EVERYONE (Revertible from custom settings) <input type="checkbox"/>
Hide Multi choice filter (excel style) <input type="checkbox"/>	Hide instant graph link <input type="checkbox"/>

Figure 25 - Hide customize link from everyone



### Placing a Smart-Table as a regular Tab

To place/create a Smart-Table as a regular tab do the following: go to smart-mass-update>grid manager> new smart tab> follow the wizard> (Figure 26).... > enter the new tab > edit layout> set the object> choose a few field> save default settings (for the grid's default view).

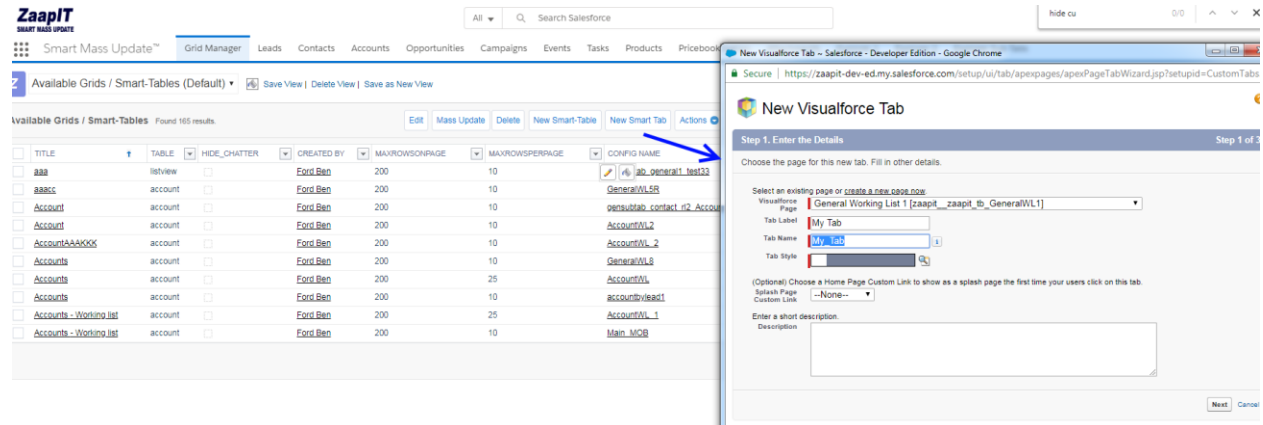


Figure 26 - Grid Manager new smart tab

**The old way for creating a smart tab:** go to setup>create>tab and press on the new button on the “Visualforce Tab” section (Figure 27, Figure 28). On the “New Visualforce Tab” page choose one of ZaapIT’s “General Working list” for custom (or native) objects or choose a predefined working list for the Salesforce-Native objects (Figure 29). Tip: WL is the abbreviation for “Working list”, RL is the abbreviation for “related list”.

**Custom Tabs**

You can create new custom tabs to extend salesforce.com functionality or to build new a Custom Object Tabs look and behave like the standard tabs provided with salesforce.com salesforce.com window. Visualforce Tabs allow you to embed Visualforce Pages.

**Custom Object Tabs** [New](#) [What Is This?](#)

No Custom Object Tabs have been defined

**Web Tabs** [New](#) [What Is This?](#)

No Web Tabs have been defined

**Visualforce Tabs** [New](#) [What Is This?](#)

Action	Label	Tab Style
Edit	Accounts	Presenter
Edit	Campaigns	Star
Edit	Contacts	Compass
Edit	Custom Object - Demo	People
Edit	Events	Presenter
Edit	Leads	Telescope
Edit	Opportunities	Treasure chest
Edit	Tasks	Alarm clock

Figure 28 - Creating a new tab

### New Visualforce Tab

**Step 1. Enter the Details**

Choose the page for this new tab. Fill in other details.

Select an existing page or [create a new page now](#).

Visualforce Page: General Working List [zaapit\_\_zaapit\_tb\_GeneralWL]

Tab Label: Demo TAB

Tab Name: Demo\_TAB

Tab Style: Apple

Mobile Ready:  [What Is This?](#)

(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link: --None--

Figure 27 - Creating a new tab Step 2

## New Visualforce Tab

Step 1. Enter the Details

Choose the page for this new tab. Fill in other details.

Select an existing page or [create a new page now](#).

Visualforce Page	General Working List [zaapit__zaapit_tb_GeneralWL]
Tab Label	zaapit_tb_campaign_rl [zaapit__zaapit_tb_campaign_rl]
Tab Name	zaapit tb CampaignWL [zaapit__zaapit tb CampaignWL]
Tab Style	zaapit_tb_case_rl [zaapit__zaapit_tb_case_rl]
Mobile Ready	zaapit_tb_case_rl1 [zaapit__zaapit_tb_case_rl1]
(Optional) Choose a Home Page	zaapit_tb_case_rl2 [zaapit__zaapit_tb_case_rl2]
Splash Page Custom Link	zaapit_tb_contact_rl [zaapit__zaapit_tb_contact_rl]
Enter a short description.	zaapit_tb_contact_rl1 [zaapit__zaapit_tb_contact_rl1]
Description	zaapit_tb_contact_rl2 [zaapit__zaapit_tb_contact_rl2]
	zaapit_tb_contactWL [zaapit__zaapit_tb_contactWL]
	zaapit_tb_contract_rl [zaapit__zaapit_tb_contract_rl]
	zaapit_tb_contract_rl1 [zaapit__zaapit_tb_contract_rl1]
	zaapit_tb_contract_rl2 [zaapit__zaapit_tb_contract_rl2]
	zaapit_tb_event_rl [zaapit__zaapit_tb_event_rl]
	zaapit_tb_event_rl1 [zaapit__zaapit_tb_event_rl1]
	zaapit_tb_event_rl2 [zaapit__zaapit_tb_event_rl2]
	zaapit_tb_eventWL [zaapit__zaapit_tb_eventWL]
	General Working List [zaapit__zaapit_tb_GeneralWL]
	General Working List 1 [zaapit__zaapit_tb_GeneralWL1]
	General Working List 10 [zaapit__zaapit_tb_GeneralWL10]

click on this tab.

Figure 29 - Creating a new tab for Salesforce-native objects

### Creating/Embedding a Smart-Table in your code

Before creating a new Smart-Table-visualforce-page, please note that we already created 3 visualforce-pages for every standard object for you to use (see Figure 29).

To create/Embed a Smart-Table in your own code just creates a new apex page that its API name start with zaapit\_tb\_XXXXX and include the “general working list” page in your code (see the below examples).

To activate the export for your custom page, please enter zaapit’s URL into the “export to URL” on the page’s layout editor. E.g. <https://zaapit.xxx.visual.force.com>

#### A general working list Example (change the yellow parts):

Label: free text

Api Name:zaapit\_tb\_XXX

Code:

```
<apex:page >  
<apex:include pageName="zaapit__zaapit_tb_GeneralWL"/>  
</apex:page>
```

#### A related-sub-tabs example (change the yellow parts):

Please create a new visual force page, the page API name must begin with “zaapit\_tab\_”:

Label: free text

Api Name:zaapit\_tab\_XXX

Code:

```
<apex:page standardController="opportunity">  
<apex:include pageName="zaapit__zaapit_tab_general1"/>  
</apex:page>
```

#### A related list Example (change the yellow parts):

Label: free text

Api Name:zaapit\_tb\_XXX

Code:

```
<apex:page standardController="opportunity">  
<apex:include pageName="zaapit__zaapit_tb_GeneralWL"/>  
</apex:page>
```

Visualforce Page

### zaapit\_tb\_test\_opp\_page

**Page Edit** Save Quick Save Cancel Where is this used? Component Reference

**Page Information** Re

Label

Name

Description

Available In Touch

Require CSRF protection on GET requests

**Visualforce Markup** **Version Settings**

```
1 <apex:page standardController="opportunity">
2 <apex:include pageName="zaapit__zaapit_tb_LeadWL"/>
3 </apex:page>
```

Figure 30 - Creating a new Visualforce Page

### Multi Tables in one page Example (4 Smart Tables in 1 page):

```

<apex:page standardController="Account">
<table>
<tr><td>
<iframe src="/apex/zaapit__zaapit_tb_account_rl1?isdtp=vw"
title="zaapit_tb_account_rl1" border="0" width="500" height="500" frameborder="0"
scrolling="no"/>
</td><td>
<iframe src="/apex/zaapit__zaapit_tb_account_rl2?isdtp=vw"
title="zaapit_tb_account_rl2" border="0" width="450" height="500" frameborder="0"
scrolling="no"/>
</td><td>
<iframe src="/apex/zaapit__zaapit_tb_account_rl?isdtp=vw" title="zaapit_tb_account_rl"
border="0" width="550" height="500" frameborder="0" scrolling="no"/>
</td></tr>
<tr>
<td colspan="3">
<iframe src="/apex/zaapit__zaapit_tb_account?isdtp=vw" title="zaapit_tb_account"
border="0" width="100%" height="500" frameborder="0" scrolling="no"/>
</td>
</tr>
</table>

<zaapit:resize_include />

</apex:page>

```

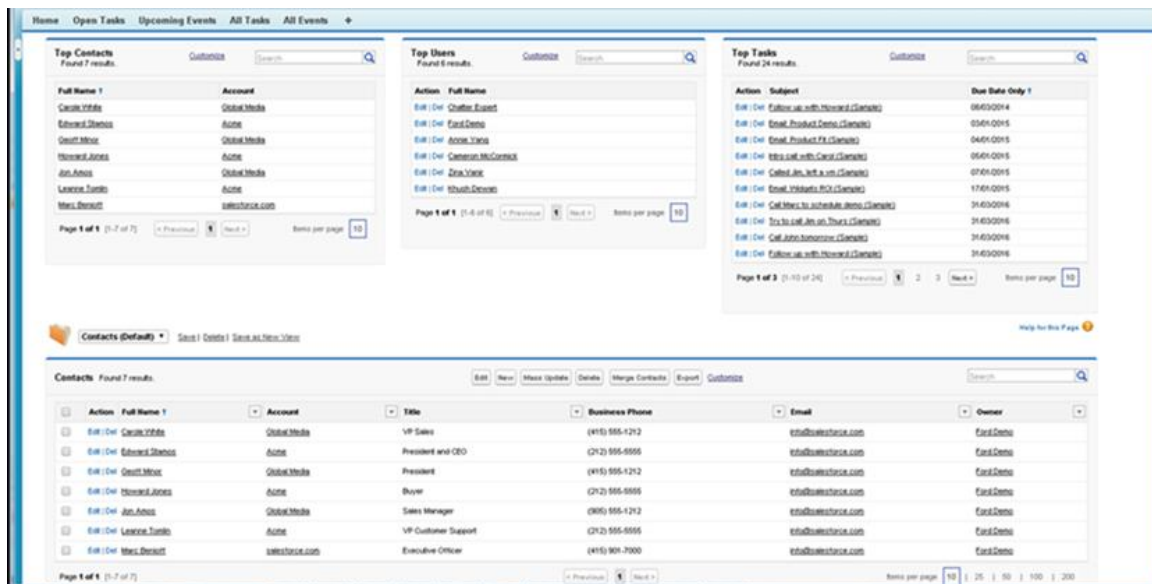


Figure 31 - Multi Tables in one page Example (4 Smart Tables in 1 page)

### Smart Tables in apex:tab example:

```

<apex:page standardController="Account">
<apex:tabpanel switchType="client" selectedTab="name1" id="theTabPanel" >

```

```

<apex:tab label="Contacts" name="name1" id="tabOne">
  <iframe src="/apex/zaapit__zaapit_tb_account_rl1?id={!id}&isdtp=vw"
title="zaapit_tb_account_rl1" border="0" width="100%" height="200" frameborder="0"/>
</apex:tab>
<apex:tab label="Meetings" name="name2" id="tabTwo">
  <iframe src="/apex/zaapit__zaapit_tb_account_rl2?id={!id}&isdtp=vw"
title="zaapit_tb_account_rl2" border="0" width="100%" height="200" frameborder="0"/>
</apex:tab>
<apex:tab label="Tasks" name="name3" id="tabTwo2">
  <iframe src="/apex/zaapit__zaapit_tb_account_rl?id={!id}&isdtp=vw" title="zaapit_tb_account_rl"
border="0" width="100%" height="200" frameborder="0"/>
</apex:tab>
</apex:tabPanel>

<zaapit:resize_include />

</apex:page>

```

Action	Subject	Call Result	Assigned To	Status
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Send Letter</a>			Albert Tall	In Progress
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Send Letter</a>			Ford Bellman	In Progress
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Call</a>			Albert Tall	Completed
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Send Letter</a>			Albert Tall	In Progress
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Send Letter</a>			Ford Bellman	In Progress
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Call</a>			Albert Tall	In Progress

Figure 32 - Smart Tables in apex:tab example

Overwrite the view link – example:

```

<apex:page standardController="opportunity">
<apex:detail subject="{!opportunity.id}" relatedList="true" title="true" showChatter="true" inlineEdit="true"/>
<style>body table.detailList .data2Col[colspan="4"]{padding:3px 0px; margin:0px}

```

### Multi Language support

Since version 1.120 (Sep-2013), each one of our Smart-Tables support multi-language translations and customizations. Every organization can enter its own translation or customize the Smart-Tables texts to meet its own needs. Just go to setup>create>custom label> and alter / add your own translations (Figure 33).

The screenshot displays the 'Custom Label' configuration page in the ZaapIT Admin interface. The page title is 'Page\_x\_of\_y (Managed)'. A yellow warning box states: 'This Custom Label is managed, meaning that you may only edit certain attributes. [Display More Information](#)'. Below this, there are links for 'Local Translations / Overrides [0]' and 'Packaged Translations [0]'. The 'Custom Label Detail' section contains a table with the following data:

Short Description	Page x of y	Name	Page_x_of_y
Language	English		
Namespace Prefix	zaapit		
Installed Package	ZaapIT Tools		
Categories			
Value	Page <b>{0}</b> of {1}</b>		
Created By	Amir_DEV1, 02/08/2013 15:21	Modified By	Amir_DEV1, 02/08/2013 15:21

Below the table, there are two sections: 'Local Translations / Overrides' and 'Packaged Translations'. Both sections show a message: 'These translations were created by administrators in your company. Local translations override packaged ones.' and 'No records to display'. At the bottom, there are links for 'Back To Top' and 'Always show me more records per related list'.

Figure 33 - Multi Language support



### Override Existing Texts - labels / tab names / etc

To override existing text labels / tab names just go to setup>translation workbench>override, then choose the "ZaapIT Tools package" and choose the content that you want to override and in what language do you want to see it. Figure 34 illustrate how to override the Mass-Smart-Update tab names.

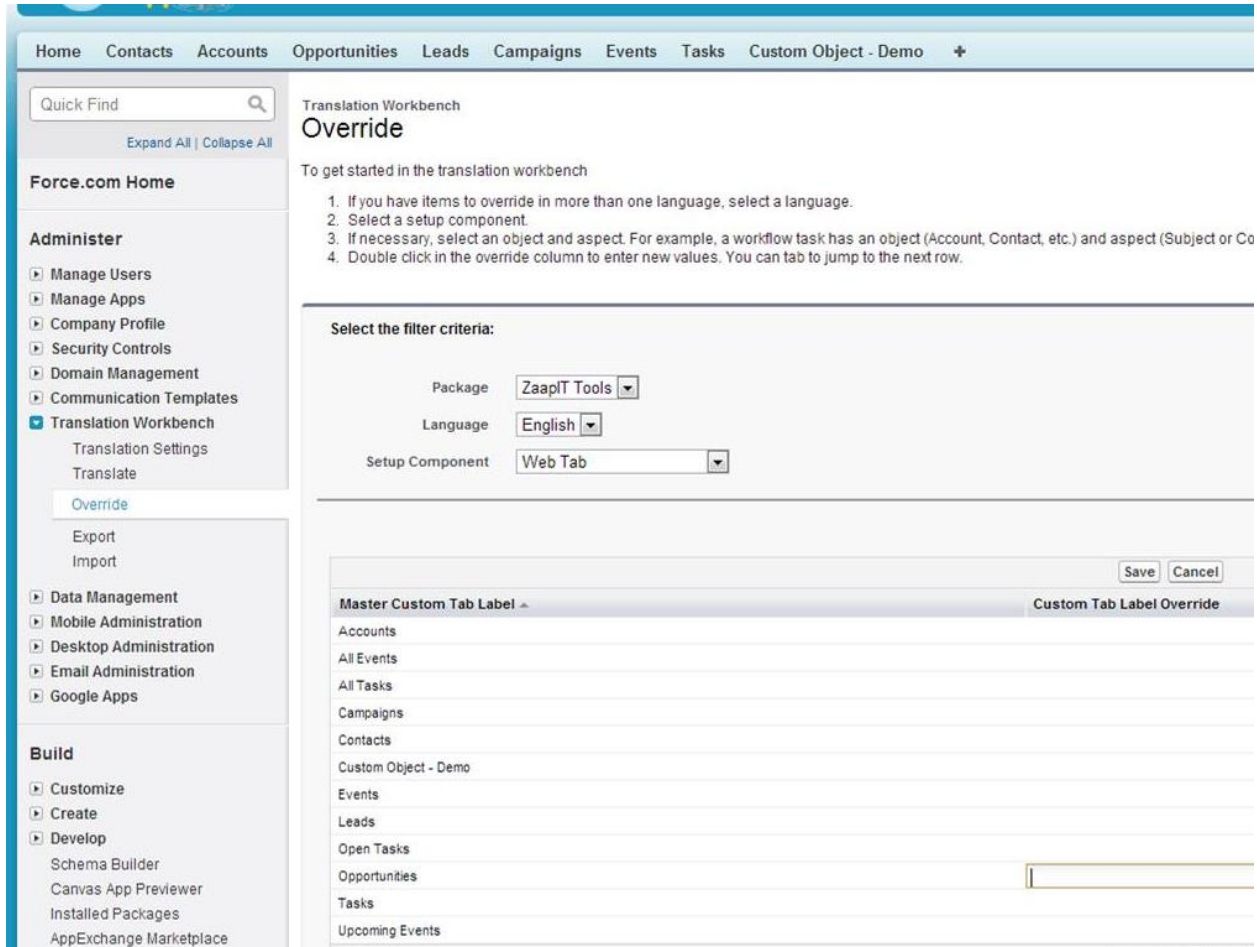


Figure 34 - Override Existing Texts

### Smart-Mass-Update™

The Smart-Mass-Update application for Salesforce is a native Salesforce hosted application located on the Salesforce application dropdown (Figure 35). This application is a collection of predefined Smart-Tables (as tabs) for the most common built-in Salesforce objects plus one custom object tab.

To add more tabs please refer to the “Placing a Smart-Table as a regular Tab” section.

#### Application Tabs:

- Contacts
- Accounts
- Opportunities
- Lead
- Campaigns
- Events
- Tasks
- Explorer 1

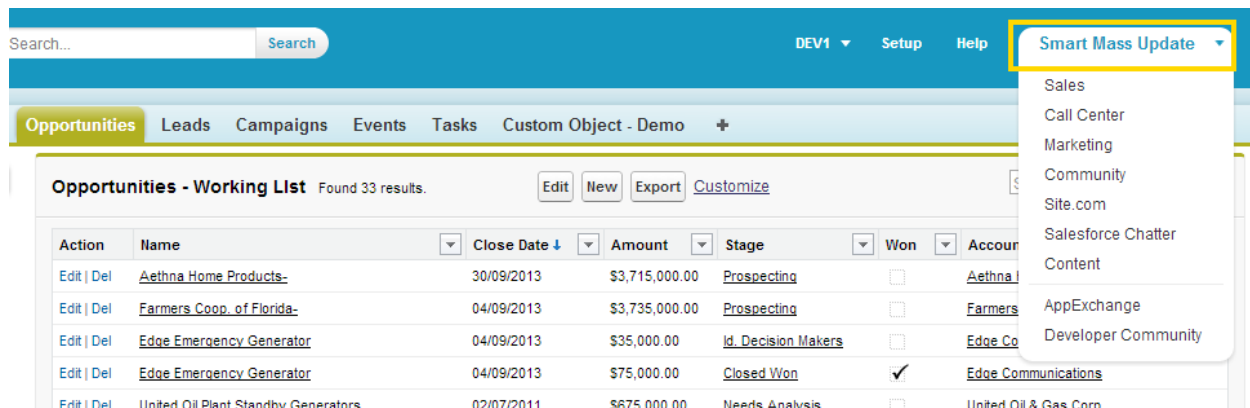


Figure 35 - Application Dropdown

### Smart-Activity-Manager™

The Smart-Activity-Manager application for Salesforce is a native Salesforce hosted application located on the Salesforce application dropdown (Figure 36). This application is a collection of predefined Tasks & Events Smart-Tables (as tabs) that’s enables you to control yours and your team’s tasks & events in one place.

#### Main Features:

- Mass Assign tasks and event to other team members.
- Team View - view & edit your team’s tasks / event (via Salesforce sharing rules)
- Progress monitoring with ZaapIT’s Instant Charts™
- Mass close, Mass update & edit.

#### Application Tabs:

- Open Tasks (created in the last 90 days)
- Upcoming Events
- All Tasks (in the last 365 days)
- All Events (in the last 365 days)

To change the time period for the below tabs please click on the customize link and revise the condition inside the “Extra Condition Filter” editor.

For example: change the open task condition from “createddate = LAST\_N\_DAYS:90” to “createddate = LAST\_N\_DAYS:180” to view all the tasks created in the last 180 days.

The screenshot displays the Salesforce Smart Activity Manager interface. At the top, the Salesforce logo and navigation menu are visible. The main content area shows a table titled "All Tasks - Last 365 days (My Team)" with 23 results. A dropdown menu is open over the "Status" column, showing options like "Sort Ascending", "Sort Descending", "Clear Filter", "Instant Graph", and "(Select All) #". The table columns include Action, Subject, Start Date, End Date, Status, Priority, Opportunity/Account, Contact/Lead, Assigned To, Closed, Reminder Date/Time, Created Date, and Description. A pie chart titled "Graph - Count per Status" is overlaid on the right side of the table, showing the distribution of tasks by status: Not Started (11, 47.8%), Completed (9, 39.1%), and In Progress (3, 13%).

Action	Subject	Start Date	End Date	Status	Priority	Opportunity/Account	Contact/Lead	Assigned To	Closed	Reminder Date/Time	Created Date	Description
Call	Edge Emergency Generator	21/11/2013		Not Started	Normal			Ford Belman		13/11/2013 08:00	13/11/2013 21:31	Call Mr. Green and close the deal
Call	Dickenson plc			In Progress	Normal	Dickenson plc		Ford Belman		23/07/2013 08:00	23/07/2013 08:00	Use Smart Activity Manager to view yours / your team's Events / tasks. Checkout those smart column filters.
Call	Dickenson plc			In Progress	Normal	Dickenson plc		Ford Belman		23/07/2013 08:00	23/07/2013 08:00	
Call	Dickenson plc			In Progress	Normal	Dickenson plc		Ford Belman		23/07/2013 08:00	23/07/2013 08:00	
Call	Dickenson plc			In Progress	Normal	Dickenson plc		Ford Belman		23/07/2013 08:00	23/07/2013 08:00	
Call	Dickenson plc			In Progress	Normal	Dickenson plc		Ford Belman		23/07/2013 08:00	23/07/2013 08:00	
Send Letter	Aethna Home Products-			Completed	Normal	Aethna Home Products-	Kristen Akin	Albert Tall		14/08/2013 08:00	14/08/2013 19:38	
Send Letter	Aethna Home Products-			Completed	Normal	Aethna Home Products-	Kristen Akin	Ford Belman				
Send Quote	Farmers Coop. of Florida-			Not Started	Normal	Farmers Coop. of Florida-	Bertha Boxer	Ford Belman				
Send Quote	Farmers Coop. of Florida-			In Progress	Normal	Farmers Coop. of Florida-	Bertha Boxer	Ford Belman				
Send Letter				In Progress	Normal			Albert Tall				
Send Quote	United Oil & Gas, UK			In Progress	Normal	United Oil & Gas, UK		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Dickenson plc			Completed	Normal	Dickenson plc		Ford Belman				
Call	Aethna Home Products-			Completed	Normal	Aethna Home Products-	Kristen Akin	Albert Tall				
Call	Aethna Home Products-			Completed	Normal	Aethna Home Products-	Kristen Akin	Ford Belman				
Call	Farmers Coop. of Florida-			Completed	Normal	Farmers Coop. of Florida-	Bertha Boxer	Ford Belman				

Figure 36 - Smart Activity Manager

### DEDUP-Manager™

The DEDUP-Manager app for Salesforce is a native Salesforce app located on the Salesforce application dropdown (Figure 37). This application provides a collection of tabs & related list that helps you to de-duplicate your data.

#### Main Features:

- De-Duplication tabs/reports for leads, accounts, contacts, attachments & custom objects (any object)
- Mass Merge, convert, mass update, mass delete & other mass actions
- Cross objects duplicates detection e.g. leads & contact, leads & accounts + custom objects (any object) – click the lightning icon for cross-object-detection / more information.

#### Application Tabs:

- Leads by Email / Name – detects lead with similar email / name
- Contacts by Email /Name – detects contacts similar same email / name.
- Accounts by Name – detects accounts with the same name
- Lead w. Contact Email / name – detects lead & contacts with similar email /name
- Lead w. Account – detects leads that has an account with a similar company name
- Attachments – detects duplicate attachment with similar name

The screenshot displays the DEDUP-Manager application interface. At the top, there is a search bar and navigation links for 'Setup' and 'Help'. The 'Dedup Manager' tab is selected in the top navigation bar. Below this, a row of tabs allows switching between different de-duplication views: 'Leads by Email (21)', 'Leads by Name (22)', 'Contacts by Email (99+)', 'Contacts by Name (99+)', 'Accounts by Name (2)', 'Lead w. Contact (Email) (18)', 'Lead w. Contact (Name) (18)', 'Lead w. Account (15)', and 'Attachments (3)'. The 'Leads by Name (Default)' view is currently active, showing a list of 22 results. The list includes columns for 'Action', 'Full Name', 'Email', 'Company', 'State/Pr...', 'Status', 'Lead Sou...', 'Phone', 'Created Date', and 'Ow...'. Several entries for 'Sandra Eberhard' are highlighted in green, indicating duplicates with the same email address. The interface also features buttons for 'Edit', 'New', 'Mass Update', 'Delete', 'Merge Leads', 'Convert', 'Add to Campaign', and 'Export'. A pagination bar at the bottom shows 'Page 1 of 3 [1-10 of 22]' and a 'Rows per page' dropdown set to 10.

Figure 37 - DEDUP-Manager™

### Community-Grids

The Community-Grids tool for Salesforce is a native Salesforce hosted tool built for Salesforce’s communities. This tool will enable you to create Smart-Tables for your Salesforce communities. As an example you can create a Salesforce community for you Partners and give them a Smart-Table tab(s) to maintain their opportunities (contacts & accounts) - Figure 38. You can use the owner field to assign your partner new opportunities created by your – such as upsell, renewal & upgrade opportunities.

The Community-Grids tool can support multi-Salesforce-communities such as Partners community, Distributors community, customer community and employee’s communities. Just use a different visualforce-tab for each community (Figure 39). To add a new visualforce-tab please read “Placing a Smart-Table as a regular Tab” section.

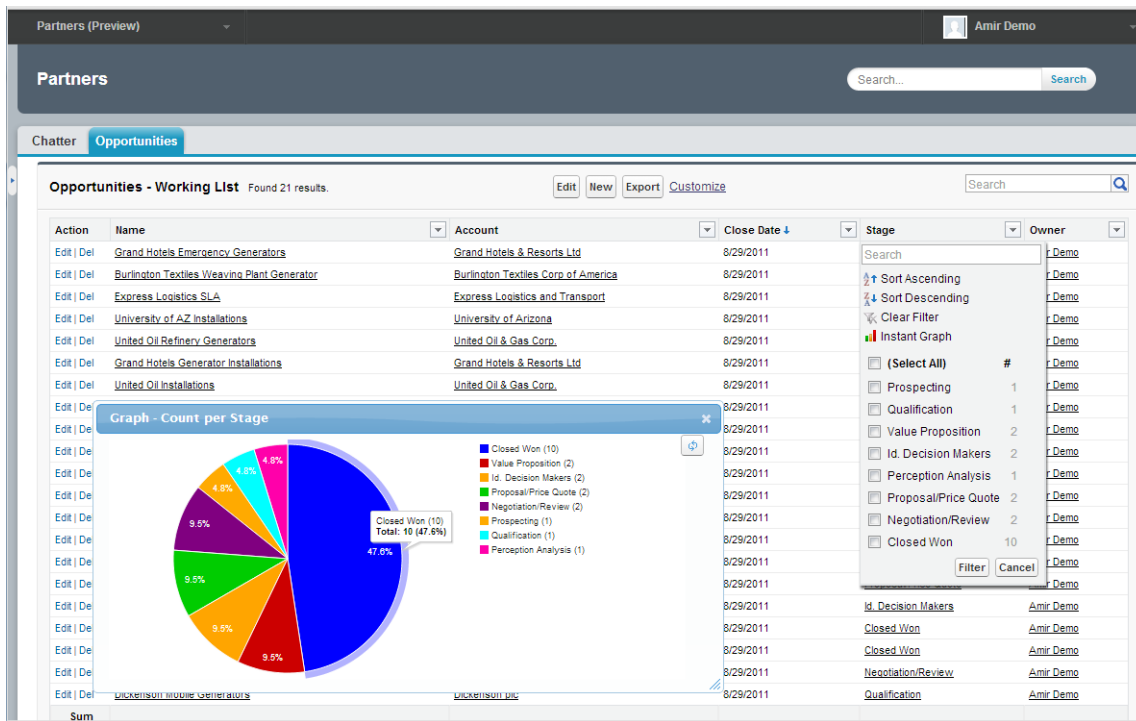


Figure 38 - Community Grids

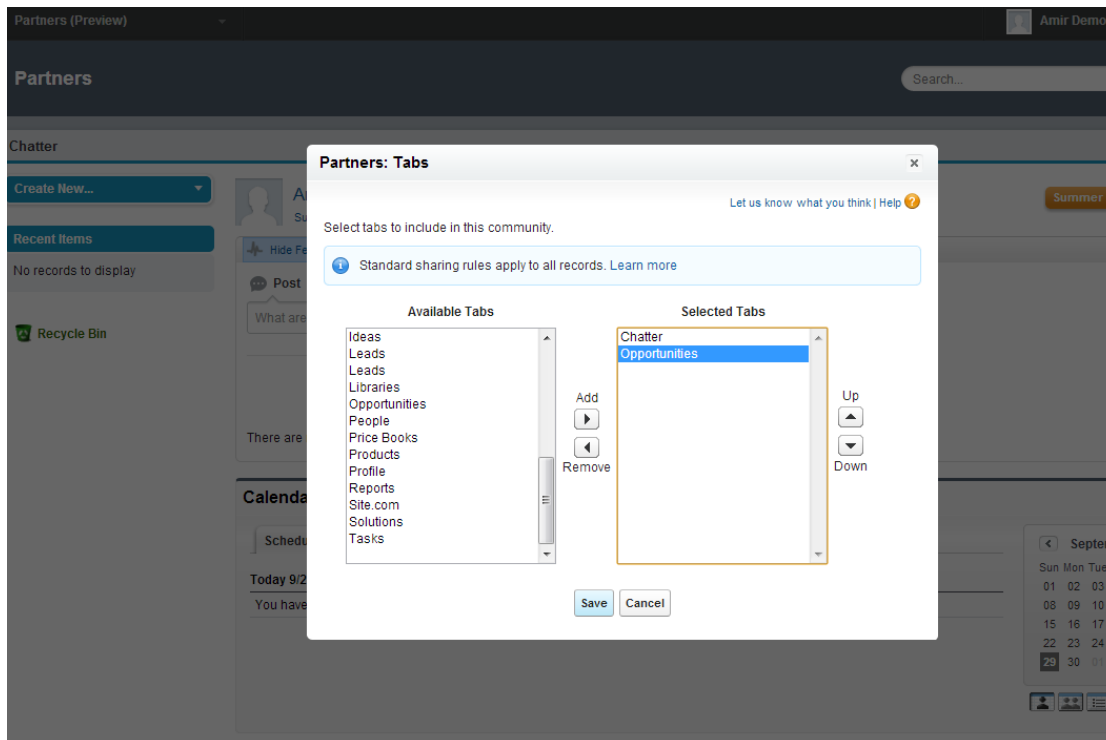


Figure 39 - Community Grids Tabs

### Smart-Related-Grids

The smart Related Grid / related list are Smart grid that can function as a related list. They have the same enhanced functionality as the regular Smart-grid. Next is the explanation on how to setup a smart related grid.

### Setting up your first Smart-Related-Grids / Sub Tabs in Salesforce Classic

In this example, we will add a new Smart-Related-Grid to an opportunity layout.

1. Go to one of setup>search>object (e.g. opportunities) >layouts> click the “edit layout” next to the page the chosen layout (Figure 40).
2. Create a new page section (Figure 41).
3. Uncheck the “edit page” & detail page checkboxes and choose 1 column layout (Figure 42).
4. Place the grid “zaapit\_tb\_XXX” inside the newly created section (Figure 43) – if you can’t find the page please create one by following the steps on the bottom of page 27, create a “related list” page or a “related-sub-tabs” page (the examples are on page 24).
5. Save your layout.
6. The result - Figure 44.

How to video: <https://www.youtube.com/watch?v=fxaLCHxePbl>

What next? Click of the customize link and configure your new Smart-Related-Grid, for more information read the Layout Editor

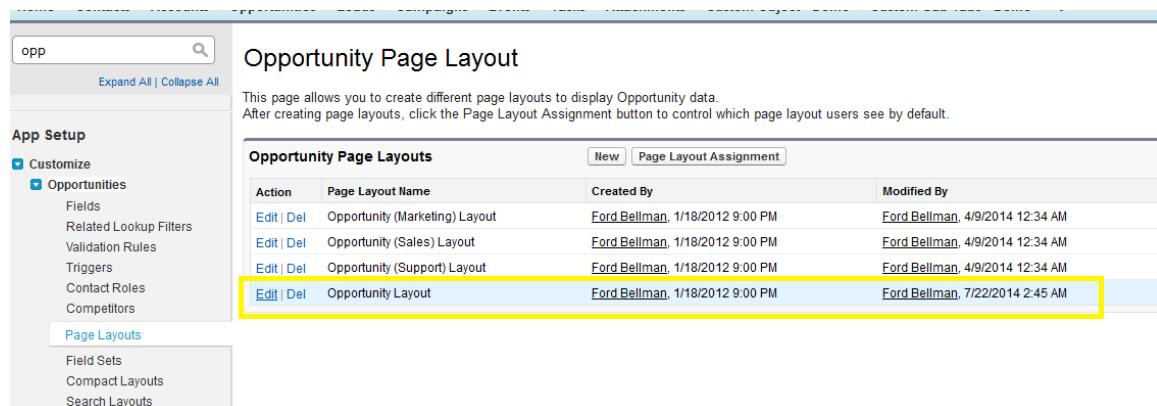


Figure 40 - Edit Layout

The screenshot displays the ZaapIT Admin interface for creating a new Visualforce page section. The top toolbar includes 'Save', 'Quick Save', 'Preview As...', 'Cancel', 'Undo', 'Redo', and 'Layout Properties'. A 'Quick Find' search bar is located above the section list. The left sidebar shows 'Visualforce Pages' selected. The main content area lists several sections: 'Section', 'Blank Space', 'Delivery Order', and 'Invoice'. Below the section list, there are several information sections: 'Other Information' (Payment Terms, Payment Method, Start Date, End Date, Billing Frequency), 'Additional Information' (Order Number, Current Generator(s), Tracking Number), 'System Information' (Created By, Last Modified By), 'Custom Links' (Delivery Status), and 'Description Information' (Description). At the bottom, a 'Products' table is visible with columns for Product, Quantity, Sales Price, Date, and Line Description.

Figure 41 - Create a new Visualforce page section



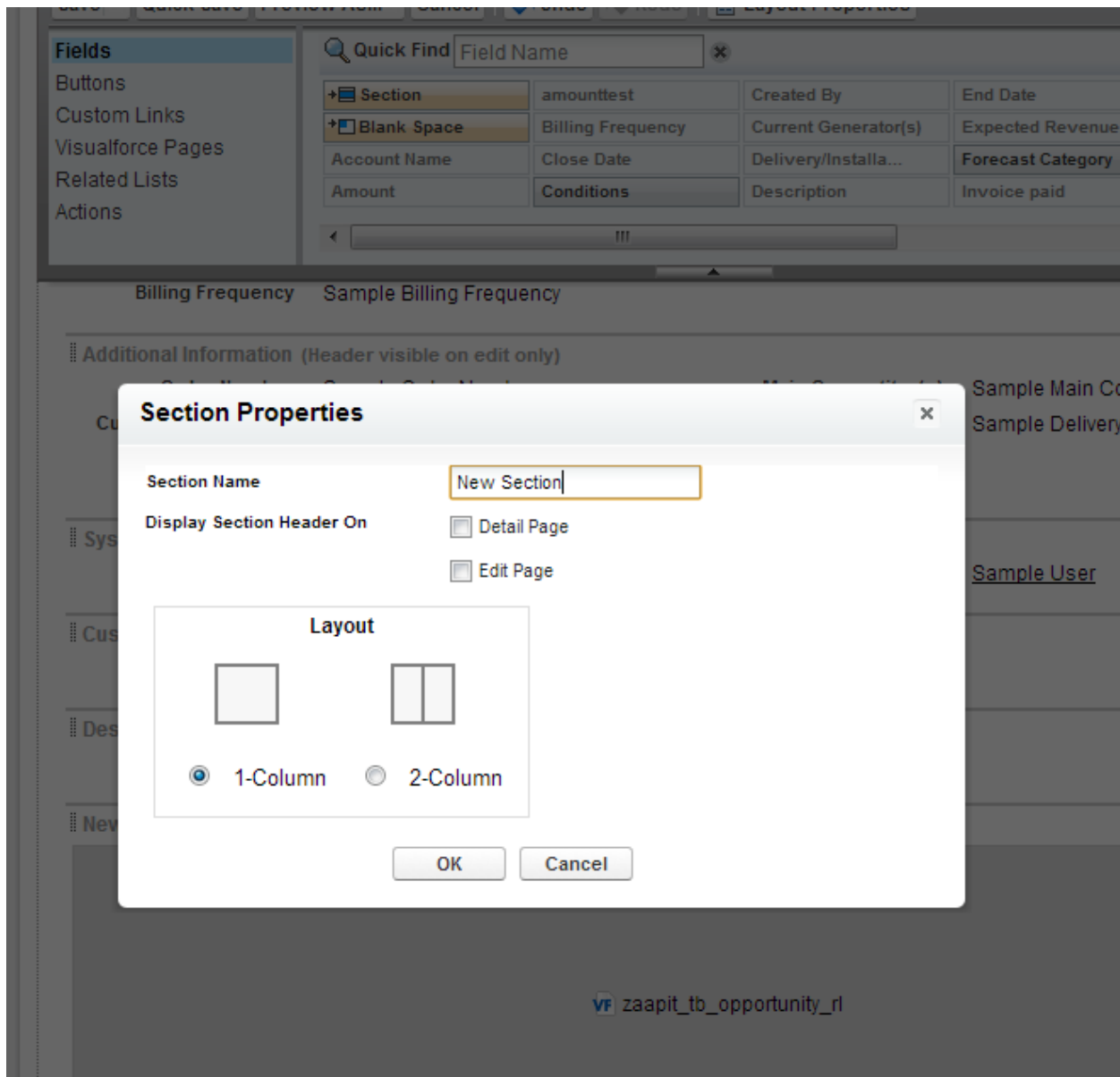


Figure 42 - Section Properties

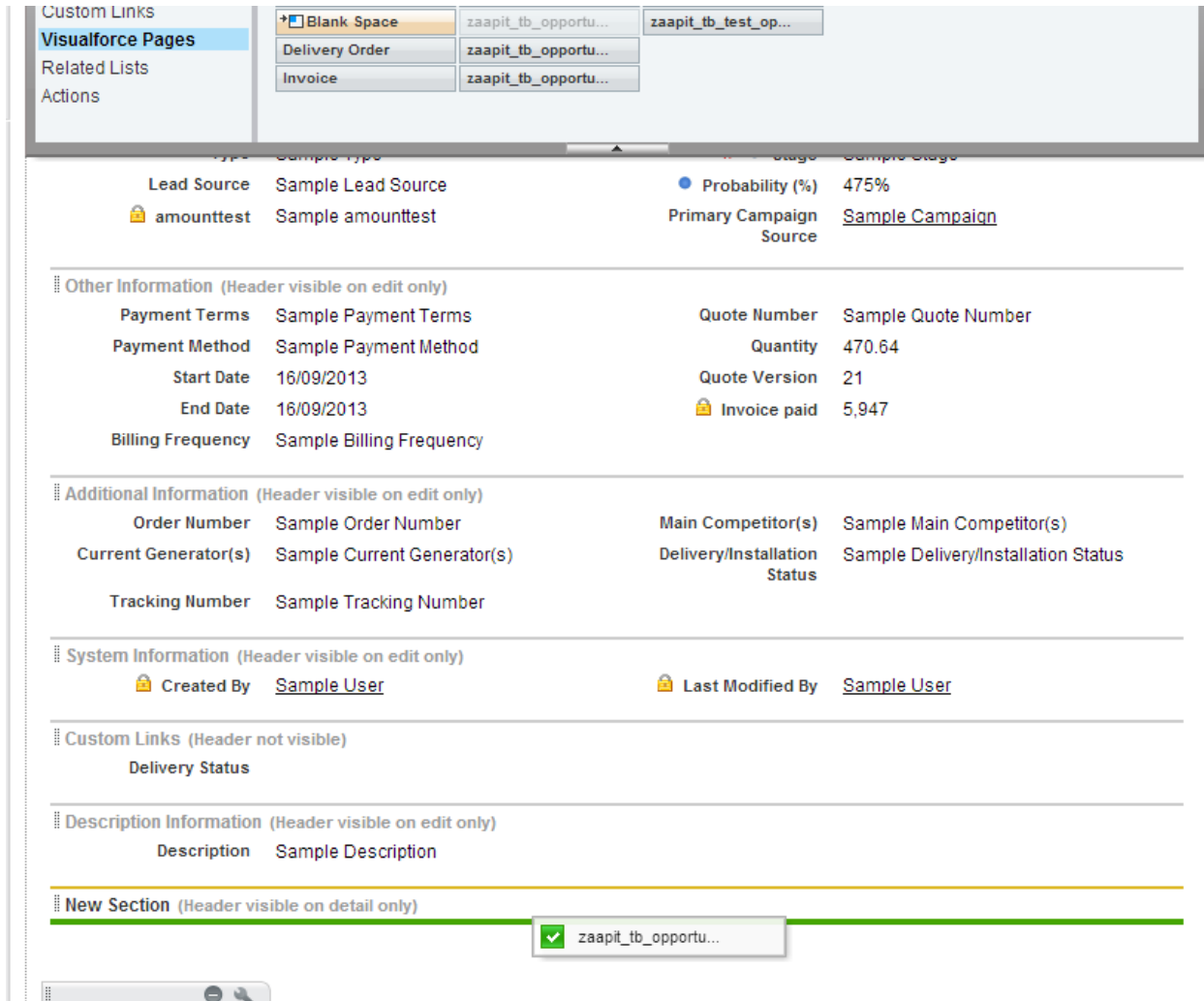


Figure 43 - Place the Related Grid

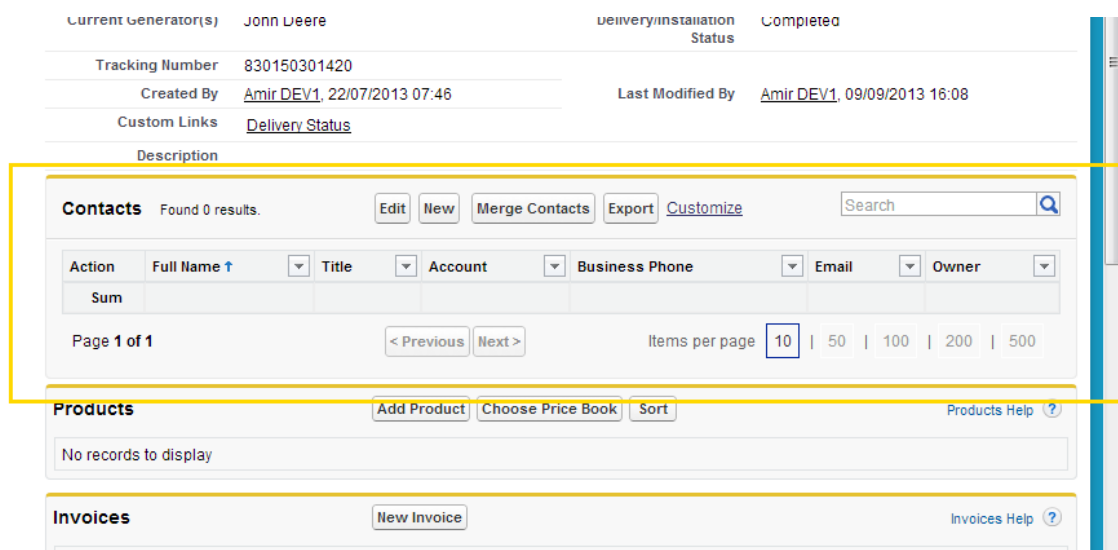


Figure 44 - The new Smart Related Grid

### Adding a Sub-Tabs Related-Grid to your main object layout in salesforce classic

To add sub-tab just follow the steps presented in the previous section, but instead of sub-step #4 use the following sub-step.

Alternative step: Place the smart tabs “ZaapIT opportunity **Tabs** (RL)” inside the newly created section (Figure 45).

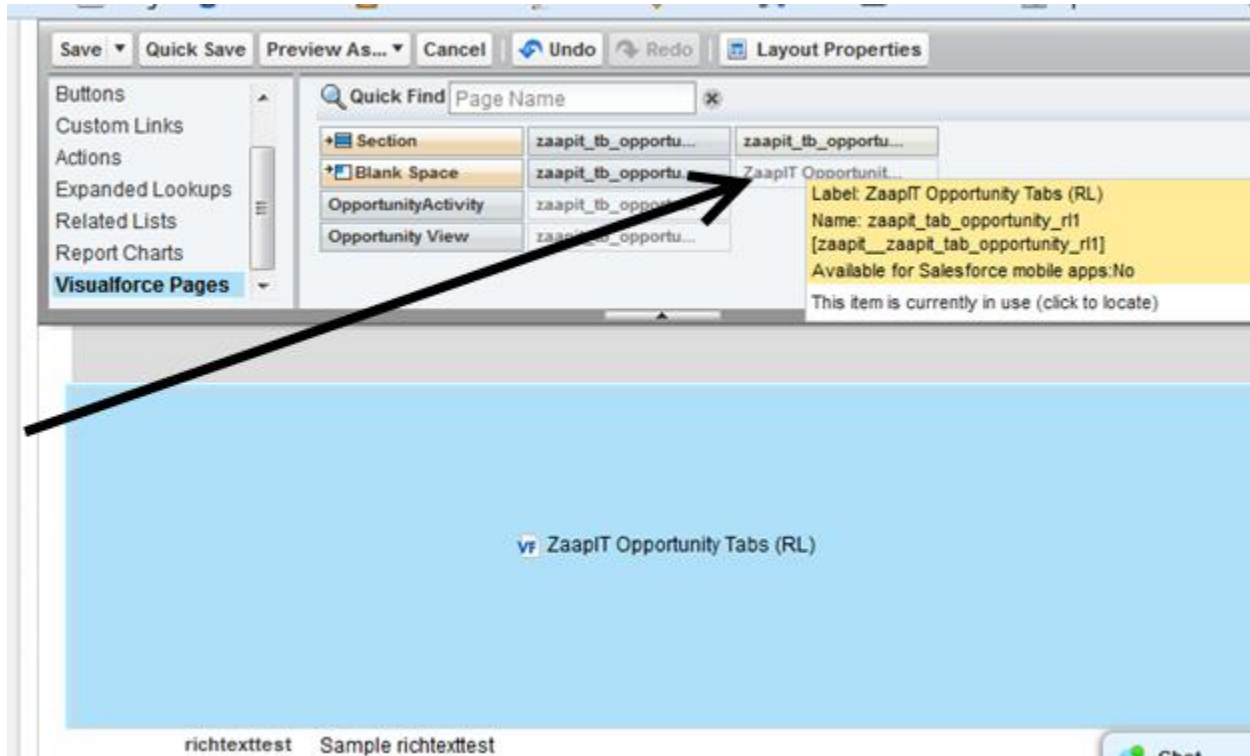


Figure 45 - Smart-Sub-Tabs with Related-Grid

Last Modified By [Ford Bellman](#), 4/2/2014 9:50 PM  
 Created By [Ford Bellman](#), 1/18/2012 9:00 PM  
 Custom Links [Delivery Status](#)

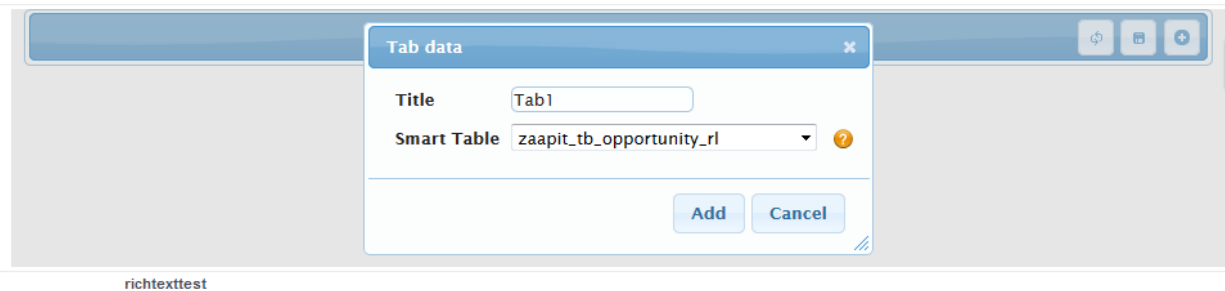


Figure 46 - New Smart Sub Tab

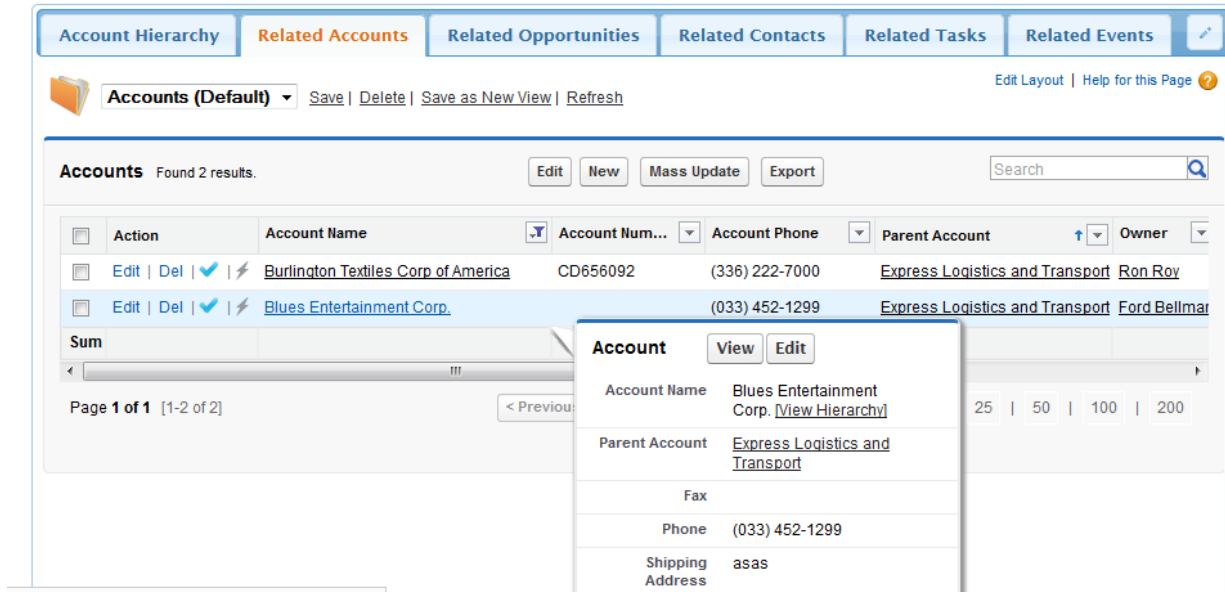


Figure 47 - Smart Sub Tabs in Action

### Setting up your first Smart-Related-Grids / Sub Tabs in Salesforce lightning

In this example, we will add a new related list tab to an opportunity layout.

- 1) Edit the opportunity page - Figure 48
- 2) Create a new custom sub-tab - Figure 50
- 3) If you have a custom salesforce domain (Figure 49) then continue with step 3.a otherwise and if you don't have a custom salesforce domain or you want to add a pre-configured grid then go to step 4
  - a. Drag the lightning component "Smart Related List - Choose a name first" in to it's place
  - b. Type a new grid api-name (text & numbers only) or use an existing name to loader the settings (Figure 52 - lightning grid component)
  - c. Save the page
- 4) If you don't have a custom salesforce domain (Figure 49) then do the following instead of step#3
  - a. Drag a visual force component to the page Figure 51
  - b. Choose the right page (e.g. opportunity products / quote products / or gen-mobX..)
  - c. Set the height to 690
  - d. Save the page
- 5) Enter the page (to one of the records)
- 6) If you chose a "blank gird" a grid that is not pre-configured do the following:
  - a. Edit the grid's layout (click the grid's layout on it's top-right)
  - b. Set the fields / objects/ sorting /buttons
  - c. Set the "related list reference field" to point to the parent object (located under the advanced setting section)
  - d. Save this grid default settings
- 7) Try the grid - Figure 53, How to video guide: [https://www.youtube.com/watch?v=-ly2C\\_al7PA](https://www.youtube.com/watch?v=-ly2C_al7PA)

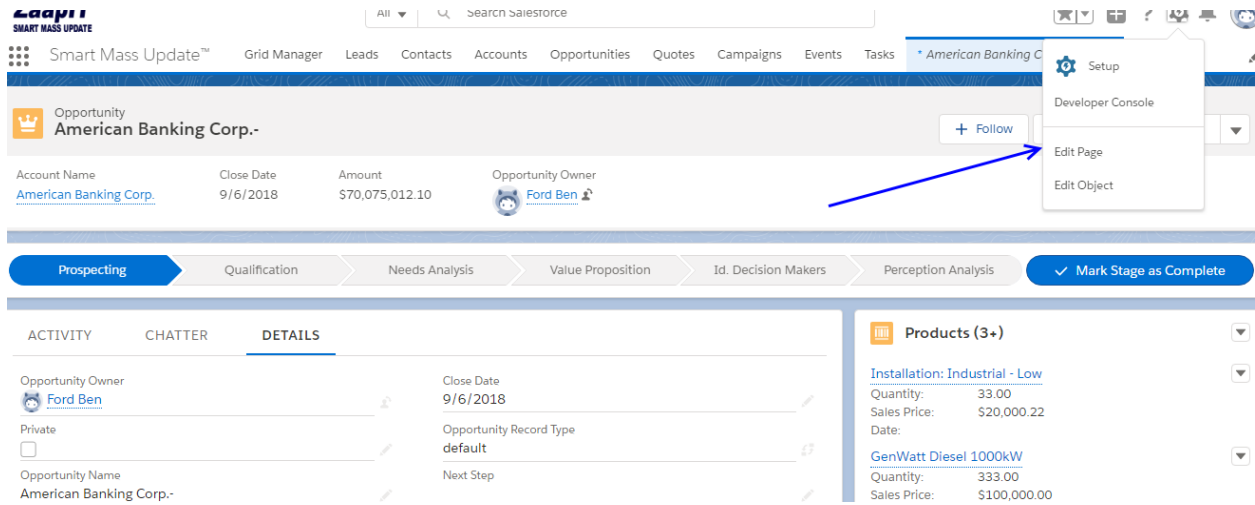


Figure 48 - Adding a related grid in lightning

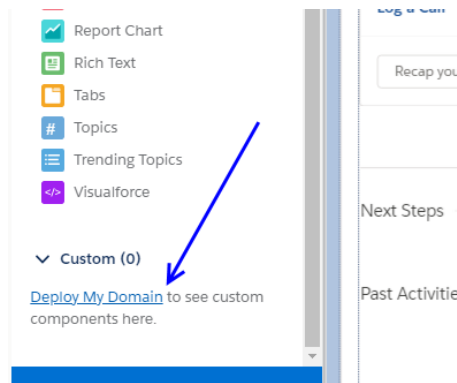


Figure 49 - custom domain indicator

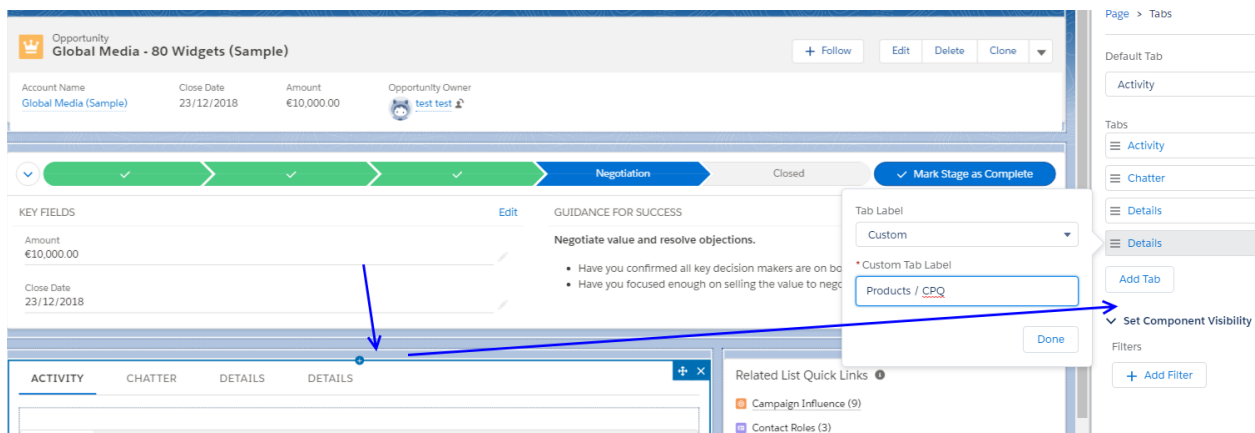


Figure 50 - adding a new sub-tab for a related list in lightning

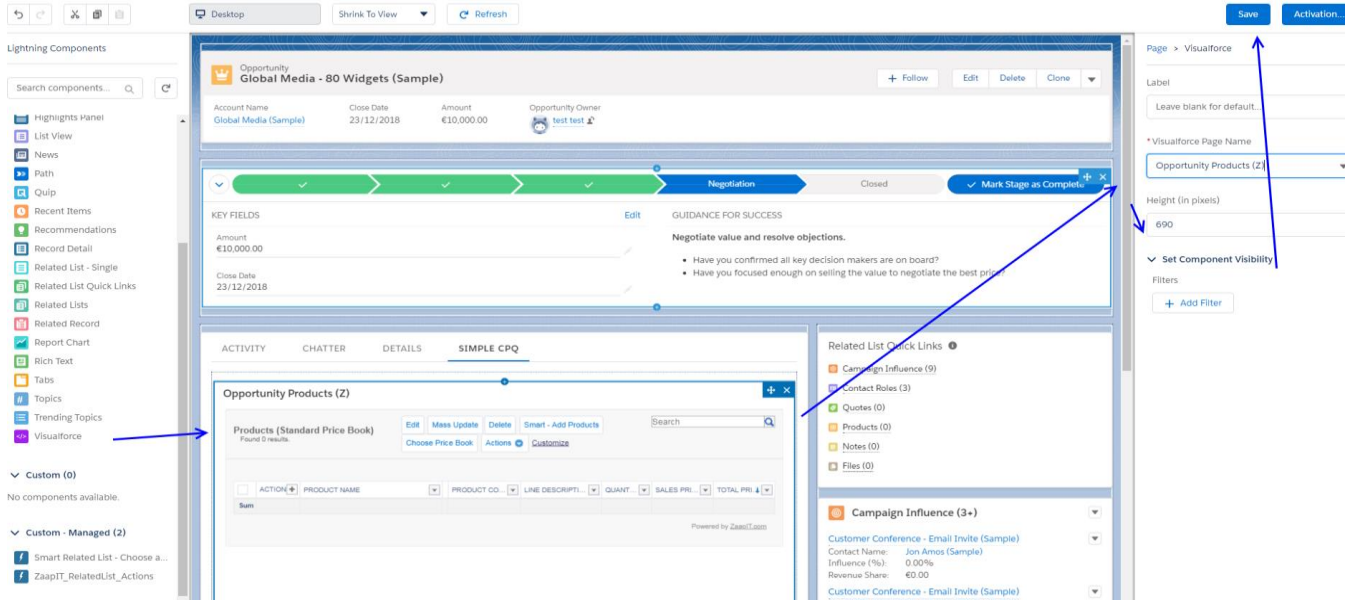


Figure 51 - adding simple CPQ

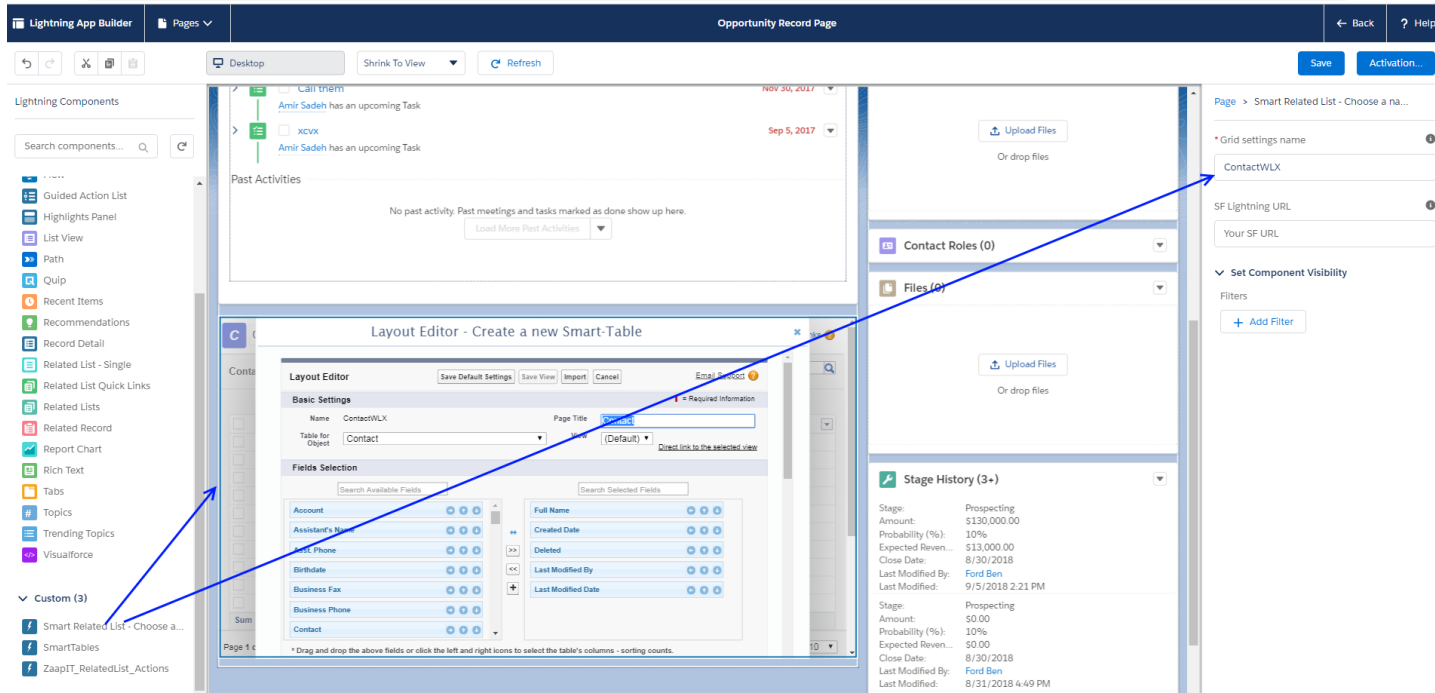


Figure 52 - lightning grid component

### Simple CPQ for opportunity products / quote line items

The simple CPQ for opportunity products & quote line items let's Sales users to quickly add products, set the pricing and be productive with many advanced features such as: adding multiple products in one click, "package item" / "bundle" support, on the fly calculations, editing multiple line products inline, price calculations (via our find and replace/calculate options), multi-currency & native price book support .

On Figure 53 the opportunity products grid is present as a sub-tab under the opportunity page in Salesforce lightning (you can place the grid anywhere and in any SF version).

On Figure 54 you can see the Smart-Add-Product button in action, we searched for products that contains 100 and added all of them in 1 click. To support product bundles/packages just add a custom bundle/package column and use the bundle column-filter to fetch the bundle...

Figure 55 the quote line items grid is present as a sub-tab under the quote page in Salesforce lightning (you can place the grid anywhere and in any SF version). In this example we add 1 new row and edit an edit the price next to installation portable row (the small pencils indicate the changed cells), after the changes were made the user can save the changes or click cancel button to revert.

The screenshot shows the Salesforce Lightning interface for an opportunity. At the top, the account name is 'American Banking Corp.' with details for close date (9/6/2018) and amount (\$70,075,012.10). Below this is a progress bar with stages: Prospecting, Qualification, Needs Analysis, Value Proposition, and Id. Decis. The 'SIMPLE CPQ' tab is selected, indicated by a blue arrow. The main content area shows a table of 'Opportunity Products (Z)'. The table has columns for ACTION, PRODUCT NAME, CO., QUANTI, LIST PRI, SALES PRI, DISCOU, TOTAL PRI, LAST MODIFI, DA, LINE DESCRIPT, and LAST MODIFI. The table contains 8 rows of products, including 'GenWatt Diesel 1000kW', 'GenWatt Propane 100kW', 'GenWatt Gasoline 2000kW', and 'Installation - Industrial - Low'. A 'Smart - Add Products' button is visible above the table. A search bar and a 'Customize' button are also present.

ACTION	PRODUCT NAME	CO.	QUANTI	LIST PRI	SALES PRI	DISCOU	TOTAL PRI	LAST MODIFI	DA	LINE DESCRIPT	LAST MODIFI
Edit   Del	GenWatt Diesel 1000kW	GC1060	333.00	\$100,000.00	\$100,000.00		\$100,000.00	Ferd Ben	9/6/2018 6:11		
Edit   Del	GenWatt Propane 100kW	GC3020	222.00	\$15,000.00	\$15,000.00		\$3,330,000.00	Ferd Ben	9/6/2018 6:11		
Edit   Del	GenWatt Propane 100kW	GC3020	222.00	\$15,000.00	\$15,000.00		\$3,330,000.00	Ferd Ben	9/6/2018 6:11		
Edit   Del	GenWatt Gasoline 2000kW	GC5060	111.00	\$150,000.00	\$150,000.00		\$16,650,000.00	Ferd Ben	8/29/2018 2:11		
Edit   Del	GenWatt Diesel 1000kW	GC1060	111.00	\$100,000.00	\$100,000.00		\$11,100,000.00	Ferd Ben	9/6/2018 6:11		
Edit   Del	Installation - Industrial - Low	IN7040	44.00	\$20,000.11	\$20,000.11		\$880,004.84	Ferd Ben	9/6/2018 6:11		
Edit   Del	Installation - Industrial - Low	IN7040	33.00	\$20,000.11	\$20,000.22		\$660,007.26	Ferd Ben	9/6/2018 6:11		
Edit   Del	GenWatt Gasoline 750kW	GC5040	11.00	\$75,000.00	\$75,000.00		\$825,000.00	Ferd Ben	8/29/2018 2:11		
Sum			1,087	\$495,000.22	\$495,000.33		\$70,075,012.10				

Figure 53 - simple CPQ / opportunity line items





### 360 Customer View

The 360 customer view is a collection of hierarchy sensitive sub-tabs that know how to aggregate and display related-data from an entire hierarchy with no coding. The out of the box customer view component works with the Salesforce’s account hierarchy i.e. account-parent account hierarchy (this can be changed to work with different hierarchies as well).

The out of the box customer view is usually placed on the account page/layout (Figure 56). On Figure 57 the hierarchy charts are presented with all the relevant data points (customizable), this enables account managers to the understand the exact state of a customer, presented by the account-hierarchy, instantly. On Figure 58 all the opportunities from the entire hierarchy are present grouped by account (sales reps can utilize this information to find new upgrade/cross-sale opportunities and see the real value of a customer via the totals/sub-totals filters & sorting). All the sub-tabs are customizable, and an admin can add more tabs or enrich the grid’s data by pulling more fields/related information such as product line items (Figure 59), quotes/ cases/notes or custom objects.

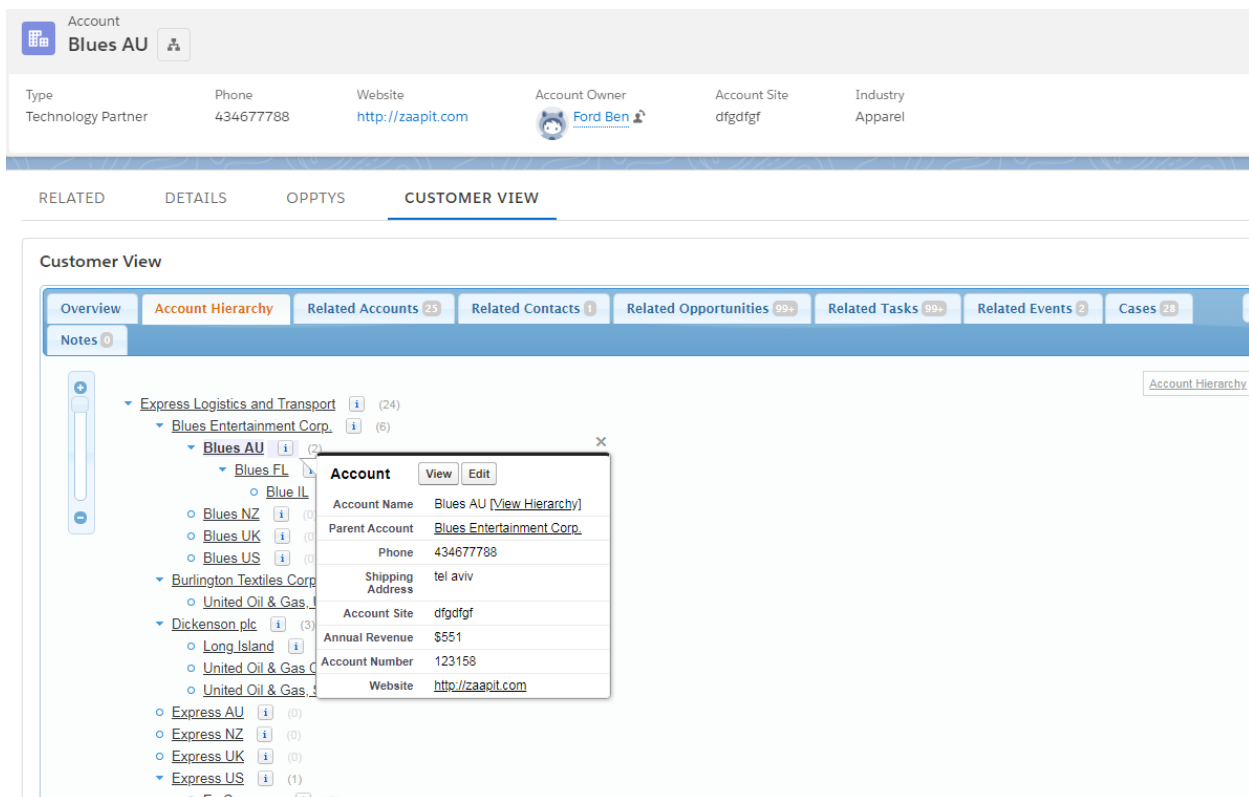


Figure 56 - Customer view tree

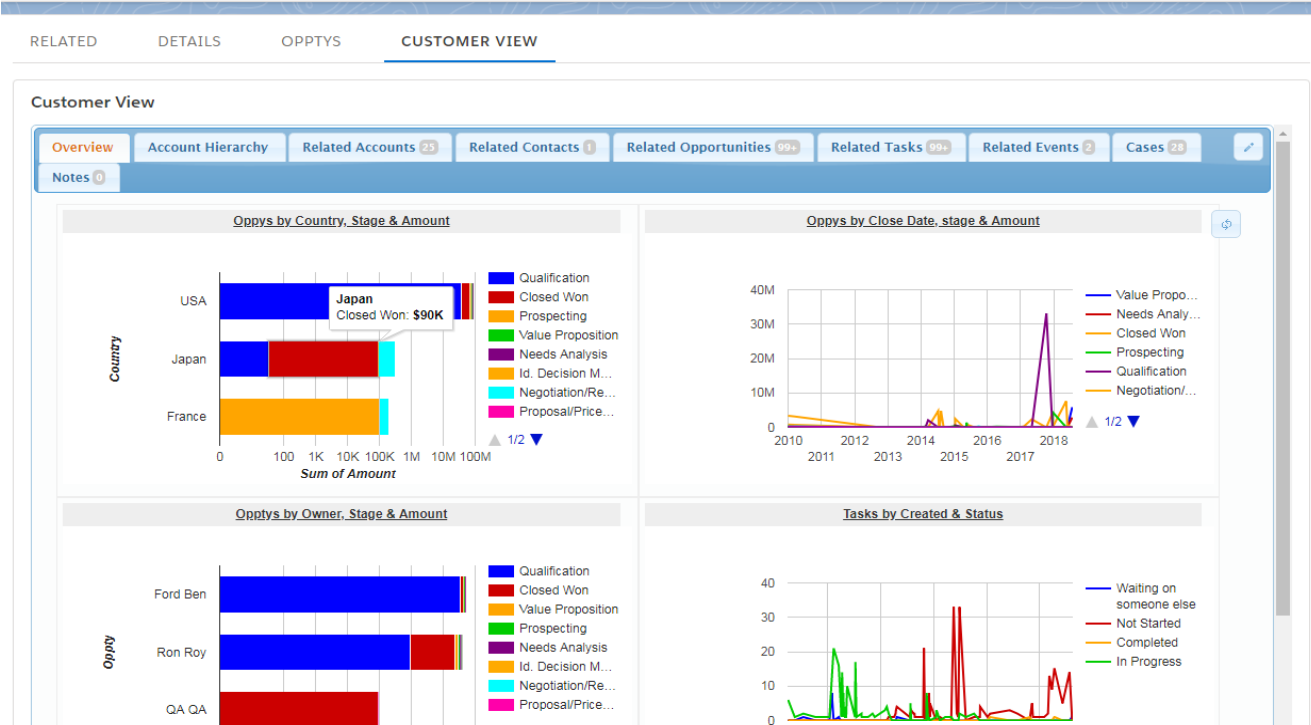


Figure 57 - Customer view overview

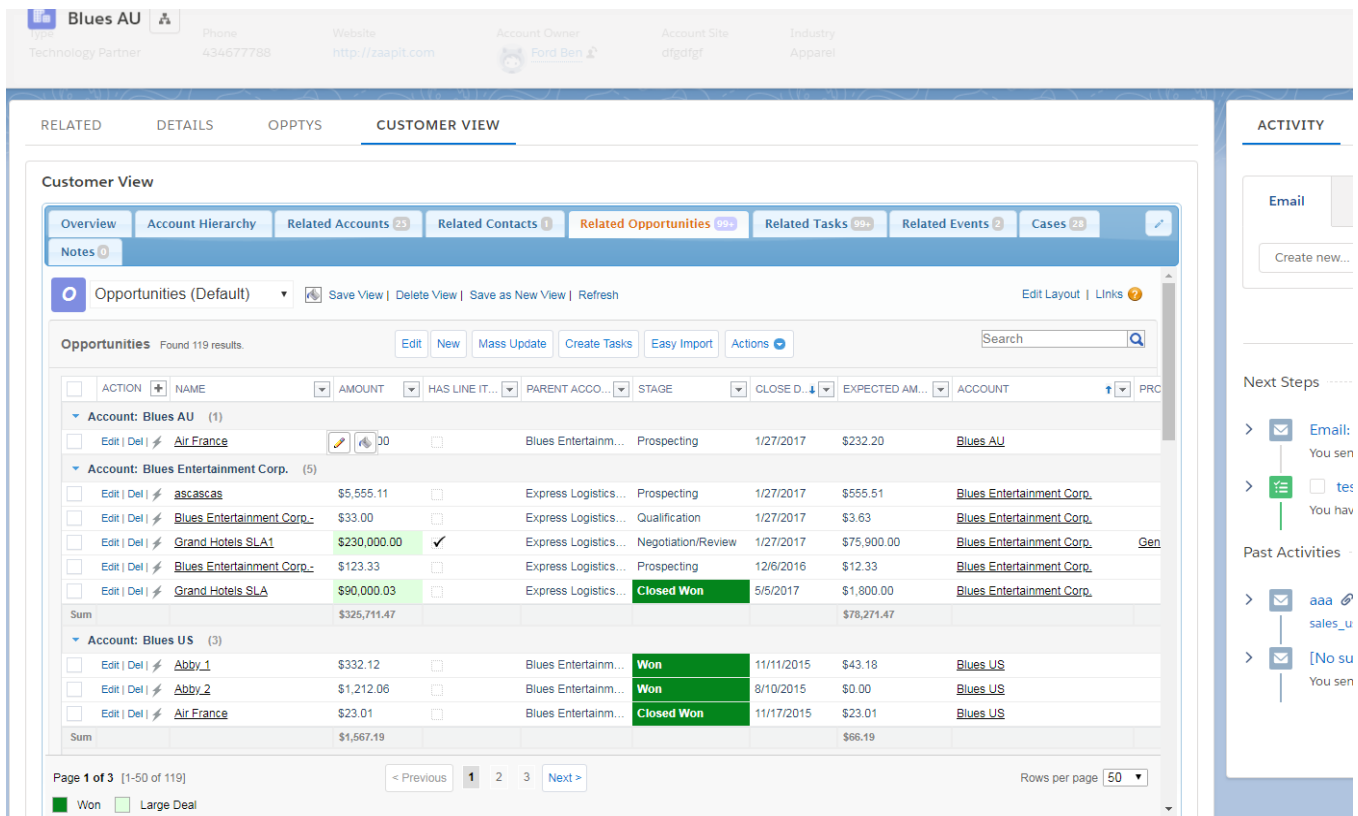


Figure 58- Customer view opportunities grouped by account

The screenshot shows the 'Customer View' interface for 'Dickenson Mobile Generators'. A modal window is open, displaying two tables:

**Open Activities**

Action	Subject	Name	Task	Due Date	Status	Priority	Assigned To
Edit   Cls	call them		✓	7/31/2018	Not Started	Normal	Ford Ben

**Products (Standard)**

Action	Product	Quantity	Sales Price	Date	Line Description	Product Code	Modified By
Edit   Del	GenWatt Diesel 1000kW	1.00	\$100,000.00			GC1060	Ford Ben, 5/4/2013 11:04 PM
Edit   Del	GenWatt Diesel 1000kW	1.00	\$1.00			GC1060	Ford Ben, 5/15/2013 5:22 PM
Edit   Del	GenWatt Diesel 1000kW	1.00	\$100,000.00			GC1060	Ford Ben, 3/22/2014 11:33 PM
Edit   Del	GenWatt Diesel 10kW	1.01	\$5,000.00			GC1020	Ford Ben, 3/22/2014 11:26 PM
Edit   Del	GenWatt Diesel 10kW	1.00	\$5,000.00			GC1020	Ford Ben, 3/22/2014 11:33 PM
Edit   Del	GenWatt Diesel 200kW	4.00	\$25,000.00			GC1040	Ford Ben, 5/4/2013 11:04 PM

Figure 59 - Customer view related opportunity info

### Custom Buttons

The below table contains custom/special buttons definitions provided by ZaapIT, some of the buttons only work with dedicated objects while others works with every object.

To install / use a button just open the table's layout editor and put the button definitions under the custom buttons section i.e. put "button name" under "button name" and the "Button link/JS" under "Button link/JS" (some of the Button link/JS are empty on purpose and works without the link/JS) - Figure 60.

Button Description	Button Name	Button link/JS	Works on Object's Grid
Mass Merge Contacts	Mass_Merge		Contact <small>Shading must be enabled</small>
Mass Merge Leads	Mass_Merge		Lead <small>Shading must be enabled</small>
Mass Merge Accounts	Mass_Merge		Account <small>Shading must be enabled</small>
Merge 3 Contacts	Merge_Contacts1		Contact
Merge 3 Leads	Merge_Accounts		Lead
Merge 3 Accounts	Merge_Leads1		Account
Mass add to Campaign	Add_to_Campaign		Contact / Lead
Create Tasks	Create Tasks	openMassCreate('tasksMC','whoid','Mass Create','1');	Contact / lead
Create Tasks	Create Tasks	openMassCreate('tasksMC','whatid','Mass Create','1');	All objects except Contact / Lead
Create Opportunities	Create Opptys	openMassCreate('MassCreatedOpptys','accountid','Mass Create','1');	Account
Create Opportunities Line Items	Add Line Items	openMassCreate('MassCreateOpptyPRDS','opportunityid','MassCreate','1');	Opportunity
Add Contact Roles	Add Contact Roles	openMassCreate('MassCreateOpptyContact Roles','opportunityid','Mass Create','1');	Opportunity
Copy column Values	Copy Values	copyValuesX1();return false;	All
Multi User Calendar	Multi User Calendar	/00U/c?cType=2	Tasks/events
My Calendar	My Calendar	/00U/c	Tasks/events
Mass Emails (SF)	Mass Emails	Mass_Emails	Contact / lead**
Mass Emails (outlook)	Mass Emails	Mass_Emails2	Contact / lead
Drill Down / Up	OBJECT Drill Down	drillDown('zpAPI_NAME_OBJECT1');	All (table setup needed)
Contacts Drill Down	Contacts Drill Down	drillDown('zpContacts1');	Account
Accounts Drill Down	Account Drill Down	drillDown('zpAccounts1');	Opportunity
		Make you add the relation in the advanced filter- for example: accountid in ((ID))	
Mass Convert	Mass_Convert		Lead
Single Convert	Convert_leads		Lead
Import	Button_api_name	Button script: var w1=window.open('/apex/zaapit__importDataFromCSV?obj=OBJECT_API_NAME','x','width=800,height=690');var t1 = setInterval(function() {if(w1.closed) {clearInterval(t1);jumpToCk(currPageCls,600);}}, 1000);	Any Object (create a button and use the api name)

\*\* Mass-emails-to-all-rows uses Salesforce's mass-emails API, the blast confirms to salesforce limits.

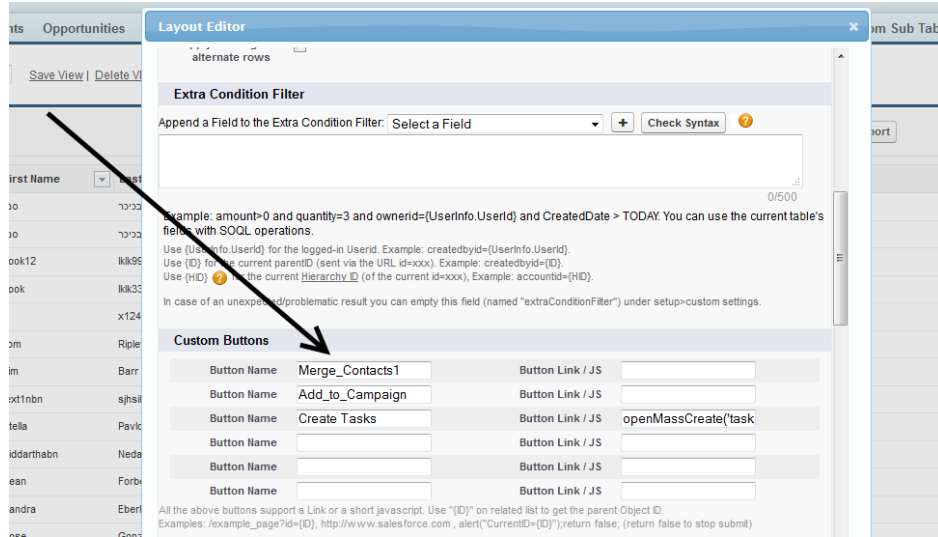


Figure 60 - Custom Buttons

### Custom – Related Information / Lightning Icon / More Actions

The below table contains custom/special Lightning Actions provided by ZaapIT, some of the Lightning Actions only work with dedicated objects while others works with every object.

To use the below just open the table’s layout editor and put the link definition under the “Related Information vf Link” - Figure 61, you can also use the built-in page available under the “Related Information type” options.

More Action Description	Link	For Objects
<b>More Action for contacts</b>	../apex/zaapit__ContactActivity?id={0}&isdtp=vw	Contact
<b>More Action for accounts</b>	../apex/zaapit__AccountActivity?id={0}&isdtp=vw	account
<b>More Action for Opportunities</b>	/apex/zaapit__OpportunityActivity?id={0}&isdtp=vw	Opportunity
<b>More Action for Leads</b>	../apex/zaapit__LeadActivity?id={0}&isdtp=vw	lead
<b>More Action for Events</b>	../apex/zaapit__EventView?id={0}&isdtp=vw	Event
<b>More Action for Tasks</b>	../apex/zaapit__TaskView?id={0}&isdtp=vw	Task
<b>Customer View</b>	../apex/zaapit__zaapit_tab_customerview?id={0}&isdtp=vw	accounts
<b>Sub-tabs</b>	../apex/zaapit__zaapit_tab_general1?id={0}&isdtp=vw	all
<b>Sub-tabs2</b>	../apex/zaapit__zaapit_tab_general2?id={0}&isdtp=vw	all
<b>Sub-tabs3</b>	../apex/zaapit__zaapit_tab_general3?id={0}&isdtp=vw	All
<b>Custom Smart Table</b>	../apex/zaapit__zaapit_tb_TABLE_NAME?id={0}&isdtp=vw	all
<b>Custom VF Page</b>	../apex/c__YOUR_VF_PAGE?id={0}&isdtp=vw	all

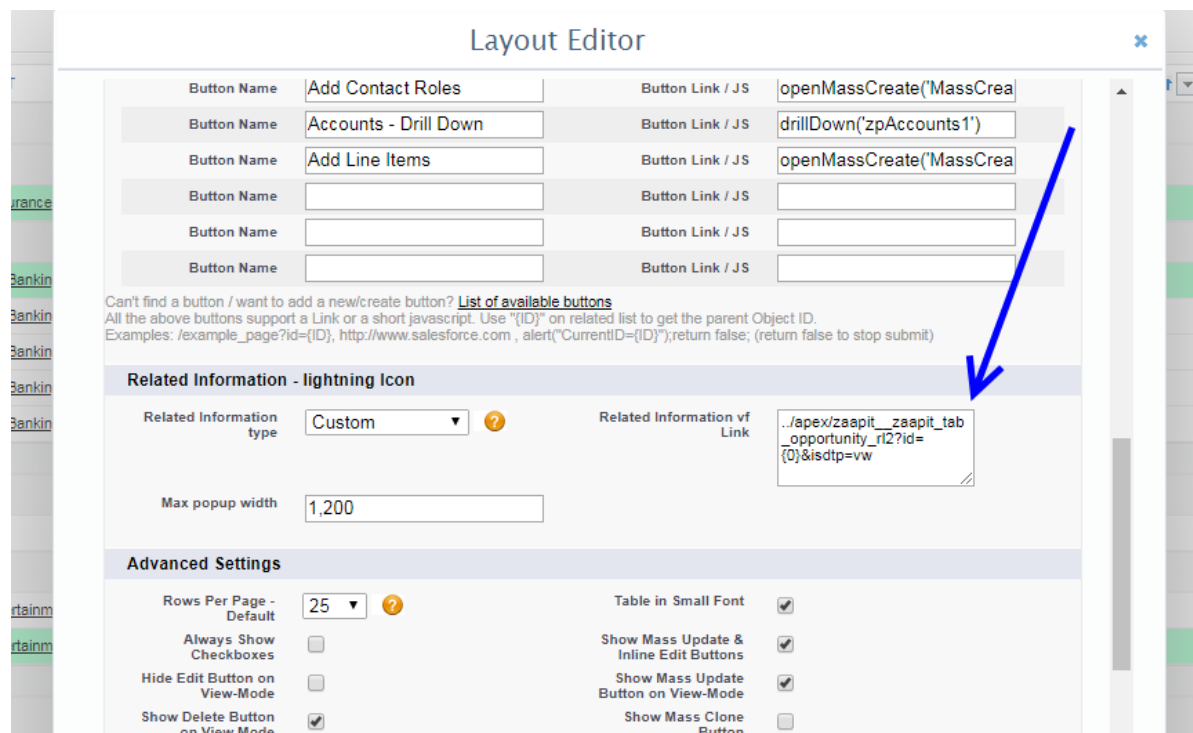


Figure 61 - More Custom Actions

### Manage licenses

To give your users the ability to use the above tools please assign a valid ZaapIT-Tools license to them.

- Go to setup>”installed packages” and click the “manage licenses” link (Figure 62)
- Click on the Add Users button and choose the relevant users (Figure 63).

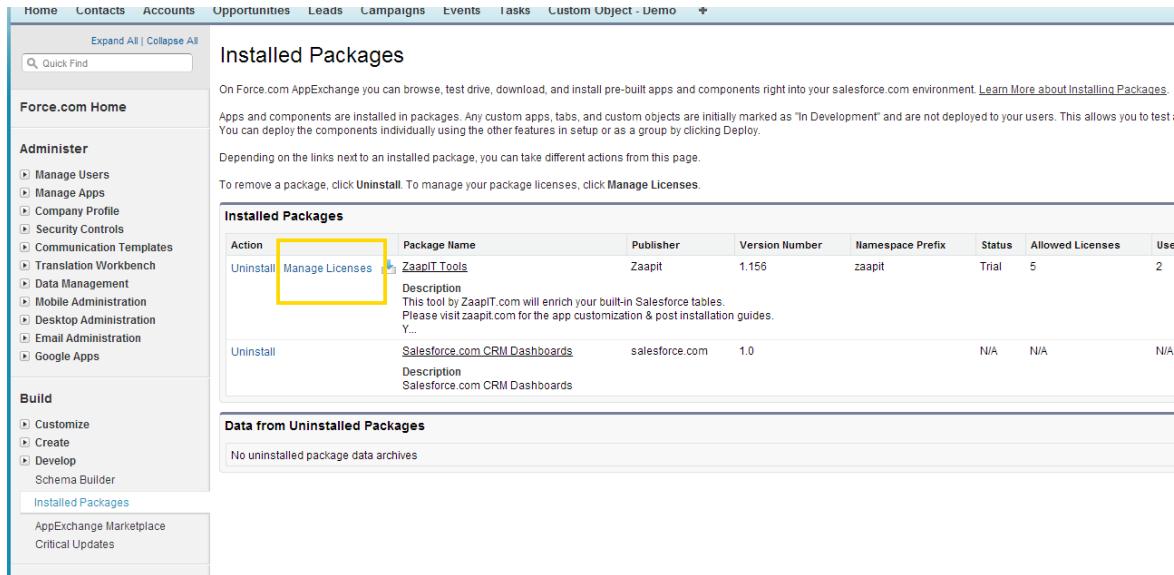


Figure 62 - Manage Licenses

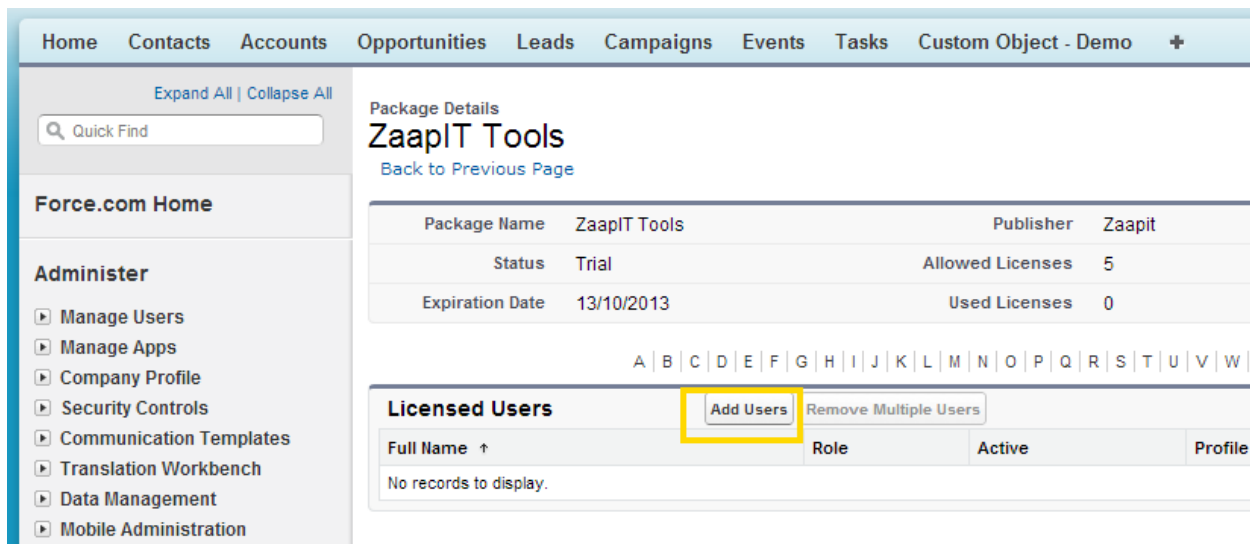


Figure 63 - Add Users

### Sharing a view / restricting access to a view

By default all the app’s views are publically shared with all the app’s licensed users.

To share a view or to restrict access to certain views go to Salesforce setup> Security Controls > Sharing Settings > Manage sharing settings for: “zaapit table”> make the views private (set “default internal access” to private i.e. only visible to the view owner) > and then set a sharing rule by view title or other view parameter/field .e.g. view title contains “- All” .

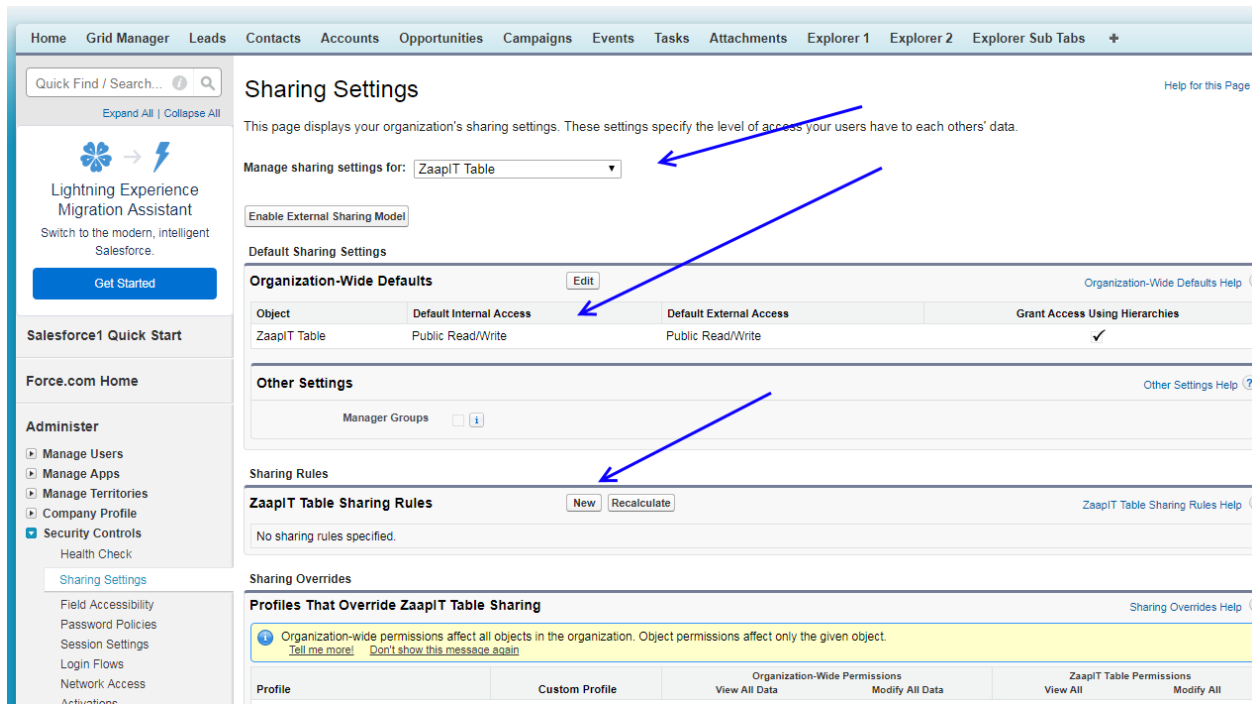


Figure 64 - Sharing a view / restricting access to a view