



HCL Domino Volt

Using Tables

Presented By Christopher Dawes
Leap/Volt Consultant, SME, Developer



Agenda

General Information

Populating Tables from Services

Using tables as a selection vehicle

Pagination

Manipulating Tables with JavaScript

Using CSS to Style a Table

Customized Rendering of Table data

Dropdowns By Service

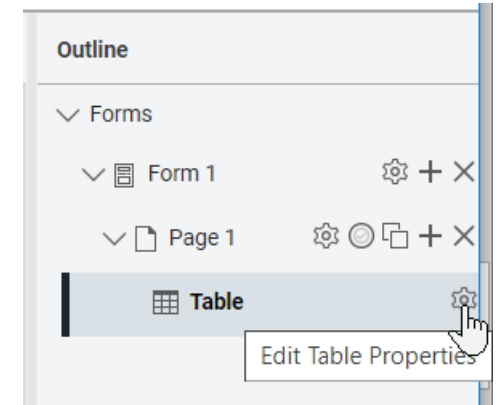
Tables

- Tables have a UI and a data component (accessed from the outline view)
- Can set the number of visible rows (height), and the appearance of row actions

Options:

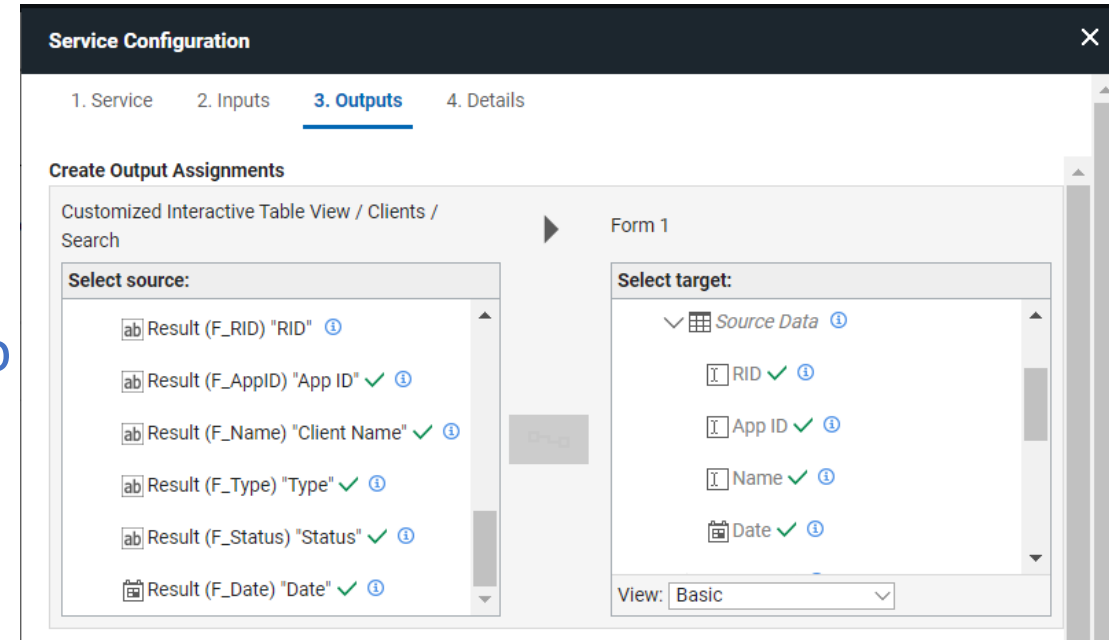
Column	Title:	Width (approx)	
Field 1	Field 1	10 chars	+ ↑ ↓ ×
Field 2	Field 2	10 chars	+ ↑ ↓ ×
Number	Number	10 chars	+ ↑ ↓ ×

- Tables can be nested
- A table is a form, with a page (P_NewPage)
- Rules can be used within tables
- Column widths can be modified and columns can be removed/re-ordered
- Can be used for users to enter data or as a view-only control
- Table fields cannot be used as inputs to services
- Table does not have a valid event (despite it appearing on the events tab)



Populating via Services

- Any list data can be presented in a table
- Create fields in table for each item in list data
- Service outputs are linked to the table fields, only services that return a list can be linked to a table.
- Service might be executed when the table is rendered or the result of a user action.



Customized Interactive Table View / Deal Tracking

Using Tables as Selection

Tables can be a quick, easy method for rendering a data navigation control, where clicking on a table row shows more detail about the selection

The table can contain:

- just the visible text and a unique key, on selection call a service to get the rest of the data or
- All the data (more JavaScript required to implement)

Demonstration (Customer Tracking, Deal Tracking)

Pagination

Pagination is most common when tables are rendering data from a service

Basic rule: don't render more than 25-50 items = too much scrolling

Table does not have built-in controls for pagination

Create controls for managing pagination
(items per page, page)

Available Companies








Company Name	Contact Name	Contact Phone	Contact Email
Greg's Dog Food	Greg		greg@gmail.com
Bed, Bath and Beyond	Janie		info@bbb.com
Boston Pizza	Joe		info@bostonpizza.com
Best Buy	Susan		info@bestbuy.com

<< 1 >>

Can use CSS to further refine placement of pagination controls

Demonstration

Showing Records: 21-40

Current Status	Stage	Updated	
Sent to HR Ops for Posting	HROpsReview	2020-4-29	  
Requires Evaluation	NeedsRevision	2020-3-31	 
Requires Evaluation	NeedsRevision	2020-3-31	 



Manipulating with JavaScript

- Programmatically Hide row controls

```
item.showAdd(false);
```

```
item.showEdit(false);
```

```
item.showRemove(false);
```

- Get Selected Row

```
item.getSelection()
```

- Add rows (createNew(), add(...))

- Re-order rows

- Code Review / Demonstration (Manipulate Table)

Styling with CSS

Not as well documented, lots can be done, but requires debugging with trial/error





.IfFormFieldTable

.IfMn .IfTableGrid.dojoGrid td.dojoGridCell

- Include css file in app
- Define inline using available functions
dojo.query (query(...))*
dojo.style (style(...))*

Some examples posted to the wiki

Table

Name	Type	Status	
asd	asd	Complete	 
sad	asd	In Progress	 

Available Companies

Company Name	Contact Name	Contact Phone	Contact Email
Greg's Dog Food	Greg		greg@gmail.com
Bed, Bath and Beyond	Janie		info@bbb.com
Boston Pizza	Joe		info@bostonpizza.com

#	Score
4.1	0/1
4.2	0/1
4.3	0/1

Customized Rendering

- Some applications may require a more customizable listing of data
- Using an HTML item we can present the data any way we like
- Row-specific action buttons
- Include html controls

Name	Form Type	Status	Created Date	Processed	
Bongos Inc	Type 1	Preview	5-Mar-2019	Yes <input checked="" type="radio"/> No <input type="radio"/>	✕ 👤 📄 📄
Charlie's Place	Type 3	Cancelled	7-Mar-2019	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Pizza Planet	Type 2	Not Started	6-Mar-2019	Yes <input checked="" type="radio"/> No <input type="radio"/>	👤 📄 📄
Pizza Planet	Type 2	Not Started	5-Mar-2019	Yes <input type="radio"/> No <input checked="" type="radio"/>	👤 📄 📄

- Using javascript can iterate over all items in the table
- The Volt table item is hidden and never shown
- Demonstration / Code Review (Interactive Table View)

Dropdowns by Service

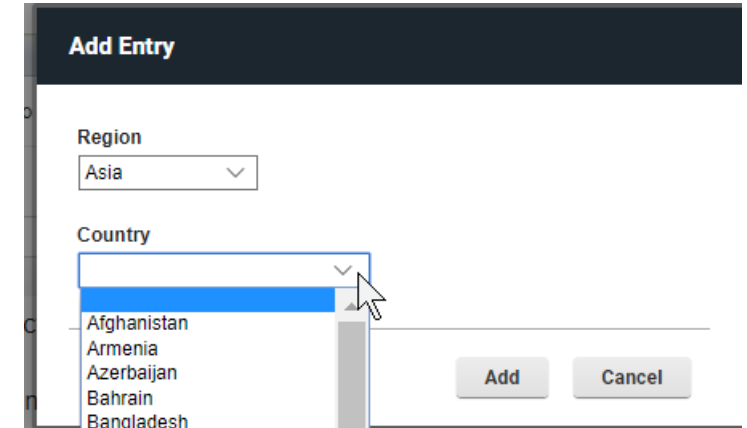
Service populated dropdowns are not natively supported

Options can be set using javascript setOptions(...)

Copy parent value (service input trigger) to hidden field:

```
app.getForm('F_Form1').getBO().F_TempRegion.setValue(BOA.getValue());
```

Service response is copied from main form to dropdown in table



```
var j = form.getPage('P_NewPage').F_DropDown0;
```

```
j.setOptions(app.getForm('F_Form1').getPage('P_NewPage').F_TempCountry.getOptions());
```

```
form.getPage('P_NewPage').F_DropDown0.setOptions(app.getForm('F_Form1').getPage('P_NewPage').F_TempCountry.getOptions());
```

<https://hclleapwiki.atlassian.net/wiki/spaces/HL/pages/393354/Dynamic+Dropdowns+in+a+Table>

Reference

JavaScript API

https://help.hcltechsw.com/domino_volt/1.0/ref_javascript_api.html

Wiki Articles related to the table item

<https://hclleapwiki.atlassian.net/wiki/spaces/HL/pages/104956133/Table+Palette+Item>