

Vantiq maintains a set of guidelines to advise developers how to best build their Clients on the Vantiq platform. In this video, we'll cover naming and other conventions that make Clients easier to understand and maintain.

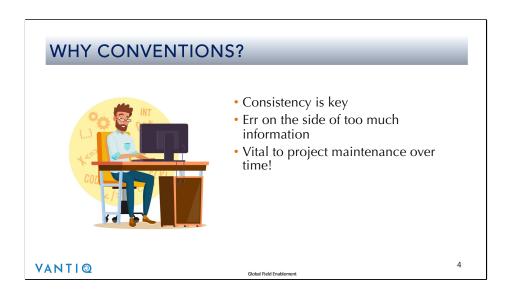
AGENDA

- Why Conventions? Client Naming Convention Widget Naming Conventions

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Vantiq's naming conventions were developed from long experience with all aspects of the product and have been proven to make it easier for a developer to understand what's in the project and how it works. A standards following well-organized application saves a lot of time over its maintenance life.

| CLIENT & PAGE NA | IING CONVENT | IONS |
|--|--|-------------------------|
| Clients should be in package Clients and Pages should hat Client: com.acme.AlertDash Standard Page: AlertPage | e names in Pascal Case, _{pard} | e.g.: |
| Popup Page: AlertDetailsPopUseful Display Name, too: | | was Alaut Daalela aaudi |
| Oseidi Dispiay Name, too. | dit Properties for Client 'com.ac | me.AlertDashboard |
| | Basic Events Advanced Theme Localization AlertDashboard | |
| | | |
| | com.acme | |
| | splay Name Emergency Alert Dashboard | |
| | Shows hotspots in fire danger zones | |
| | Browser and Mobile | * |
| VANTI@ | Global Field Enablement | |

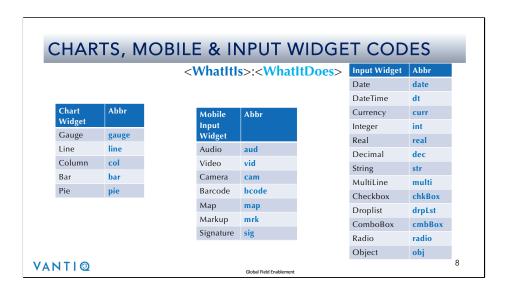
We discuss package naming conventions at length in the Service Development Best Practices class, but here we'll just concentrate on Clients within packages. At every opportunity, do take advantage of the many Description entry points for Vantiq resources; the more that's explained, the easier it is to ramp up another developer to this project.

| LAYOUT & BUTTON <wh accordpeople="" fllayoutcards="" fxdlayoutfloorplan="" grlayoutpeople="" hrlayoutorder="" tblayoutalerts<="" th="" vrlayoutorder="" •=""><th>N WIDGET NAMES atItIs>:<whatitdoes> btnSubmitOrder mBtnGotoPageInvoice mBarTopMenu mItemSave</whatitdoes></th><th></th></wh> | N WIDGET NAMES atItIs>: <whatitdoes> btnSubmitOrder mBtnGotoPageInvoice mBarTopMenu mItemSave</whatitdoes> | |
|---|---|---|
| • scrLayoutAlertData VANTI® | Global Field Enablement | 6 |

In naming widgets, the general name construct is an abbreviated widget type, followed by a descriptive name in Pascal Case. So on the left we have examples from the layout widgets: vertical and horizontal, accordian, fixed, flow, grid, tab and scroll, followed by names that provide a clue of their function. On the right, a simple in-line button is designated with be tee en, where as the menu buttons in accordians, or menu bar with menu items, all start with m, and then btn.

| DIS | PLAY \ | WIDGET N <wh< th=""><th>IAME C</th><th></th><th>></th><th></th></wh<> | IAME C | | > | |
|------|----------|---|-------------------|--------------|--------------|---|
| | Widget | Name Abbreviation | | Widget | Name | |
| | Text | txt | | | Abbreviation | |
| | Icon | icon | | Мар | map | |
| | Image | img | | Plan | plan | |
| | List | Ist | | Table | tbl | |
| | Number | nbr | | Label | lbl | |
| | Viewer | view | | Chat | cht | |
| | Document | doc | | Conversation | conv | |
| | HTMI | html | | Calendar | cal | |
| | Markdown | md | | Canvas | cnvs | |
| ANTI | <u> </u> | | Global Field Enal | olement | | 7 |

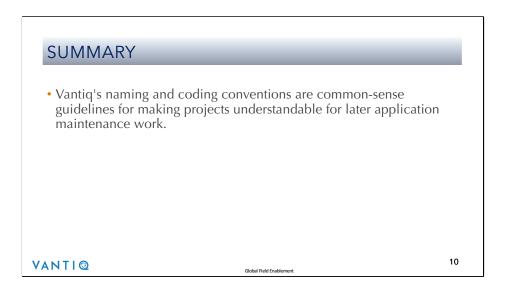
Now that you've seen the pattern, we'll dispense with the name function part of the convention to focus on the widget identity abreviations. I should stress that developers do not need to explicitly name each and every widget in their Client, but only those that will be referenced from somewhere else. Thus, if I have an image widget on the page to display different company logos as needed, I'd probably name it" imgLogo" so that I know what it is and have a clue what it's for.



These are yet more widget codes for the naming convention. This slide can be used for future reference.

| | | REAMS & DATA |
|----|--------------|--|
| L | Stream Type | s: <whatitis>:<whereit< td=""></whereit<></whatitis> |
| | Client | ce <pagename_name></pagename_name> |
| | Data | ds <datatypename></datatypename> |
| | Publish | pb <topicname></topicname> |
| | Resource | re <resourcename></resourcename> |
| | Service | se <servicename_eventname></servicename_eventname> |
| | Timed | tm <timedname></timedname> |
| | Paged | pg <datatypename_paged></datatypename_paged> |
| Е | Data Objects | s: use CamelCase, e.g: c |
| | , | , and the second |
| AN | ITI@ | Global Fi |

The naming convention for Datastreams is a little different from widget names. In the name, where useful, we're also including information about where or how it's being used. Data Objects, being essentially variables, are named in CamelCase.



Every successful application needs maintenance over time. Following the conventions listed in this video will make updates much easier.

KEY URLS/RESOURCES

- Client Builder User's Guide
 - https://dev.vantiq.com/docs/system/cbuser/
- Client Builder Reference Guide
 - https://dev.vantiq.com/docs/system/cbref/
- Layout Management User's Guide
 - https://dev.vantiq.com/docs/system/layout/
- Client Styling User's Guide
 - https://dev.vantiq.com/docs/system/cbstyling/

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