DASHBOARD WIREFRAMES

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Legend

CALLOUTS

Callouts provide further description for a particular item on a wireframe. In most cases, the callout specifies the next screen to be shown when the user interacts with the item (e.g. M11 or Previous Screen).

Otherwise, the callout may reference a specific table definition or note to be found on the right side of the page.

TABLE DEFINITIONS

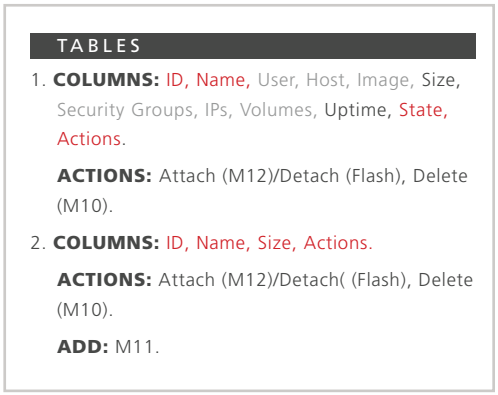
Table definitions are provided on the right side of each page in which a table occurs. These definitions list column names, column types (denoted by color), actions (and their corresponding responses), and, in some cases, additional information such as which screen is shown when the Add button is pressed.

If a table definition lists "Flash" as an action response, that row displays a Flash Status as shown in A1.

Red Column Names denote required columns. These columns are shown by default for that table and cannot have their visibility toggled.

Black Column Names denote regular columns. These columns are shown by default for that table and may have their visibility toggled.

Grey Column Names denote hidden columns. These columns are not shown by default for that table and may have their visibility toggled.



HORIZON DASHBOARD

P1 Login

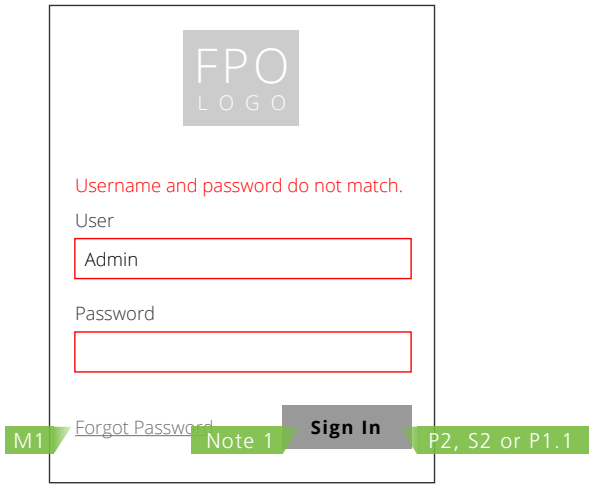
TABLES

No tables.

NOTES

1. If the login information is correct, S2 is shown if the user has admin privileges. Otherwise, P2 is shown.

P1.1 Login Error



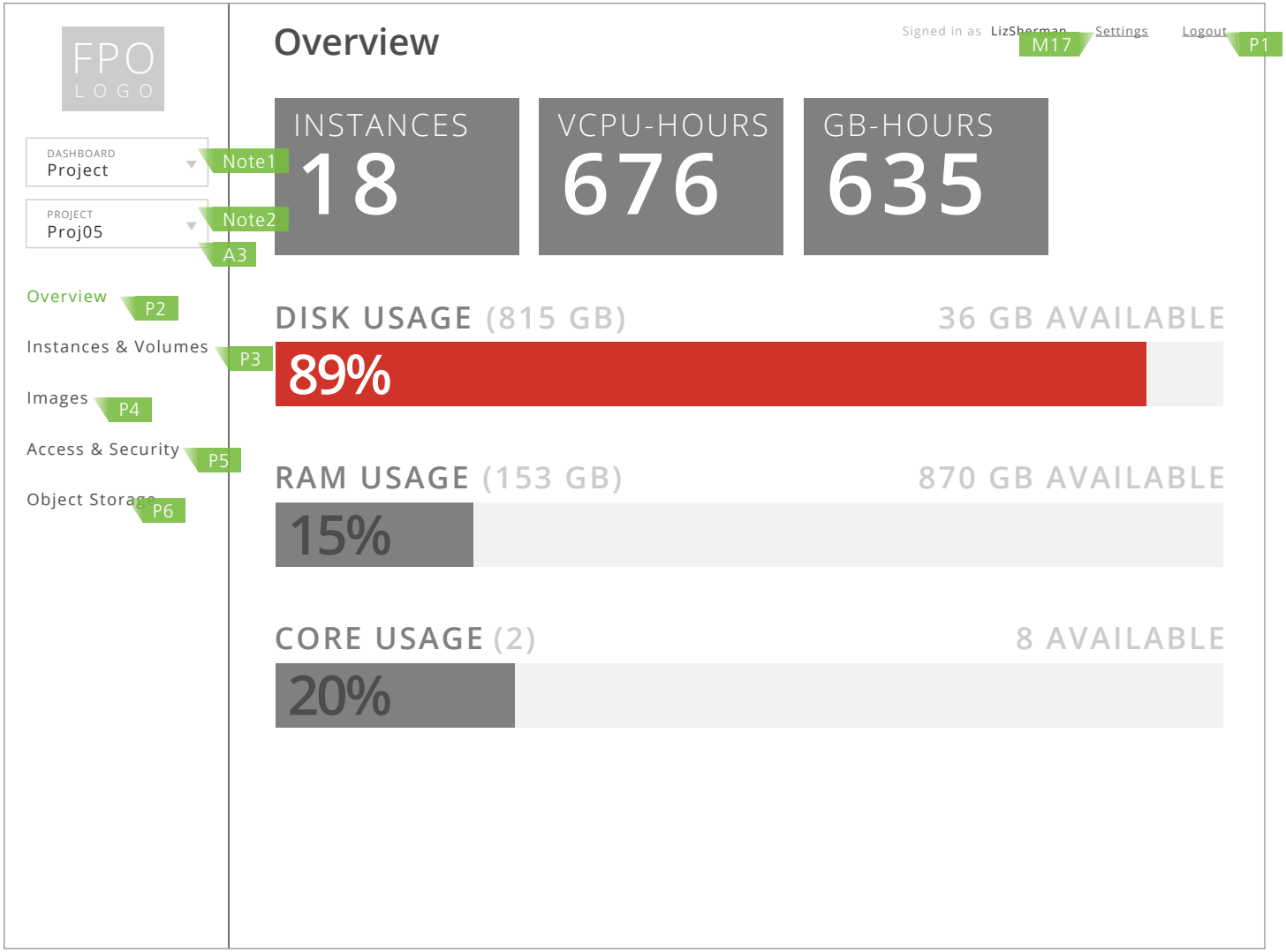
TABLES

No tables.

NOTES

1. If the login information is correct, S2 is shown if the user has admin privileges. Otherwise, P2 is shown.

P2 Overview



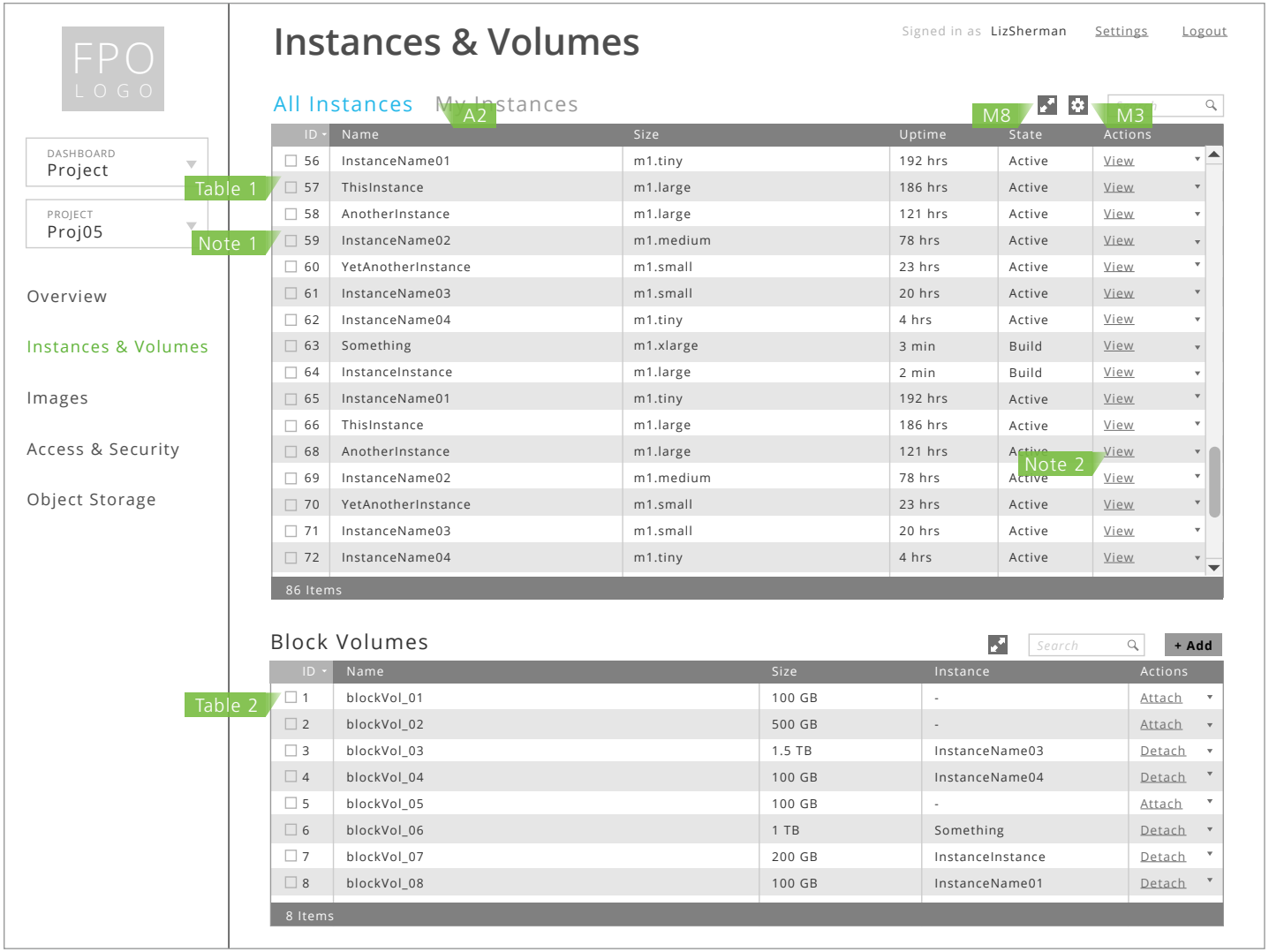
TABLES

No tables.

NOTES

1. The Dashboard dropdown allows the user to switch between System and Project dashboards.
2. The Project dropdown allows the user to switch between projects they have access to.

P3 Instances & Volumes



TABLES

1. **COLUMNS:** ID, Name, User, Host, Image, Size, Security Groups, IPs, Volumes, Uptime, State, Actions.

   ACTIONS: View (Console), Attach Volume (M6.1)/Detach Volume (Flash), Associate IP (M9.1), Terminate (M1:D2).

2. **COLUMNS:** ID, Name, Size, Actions.

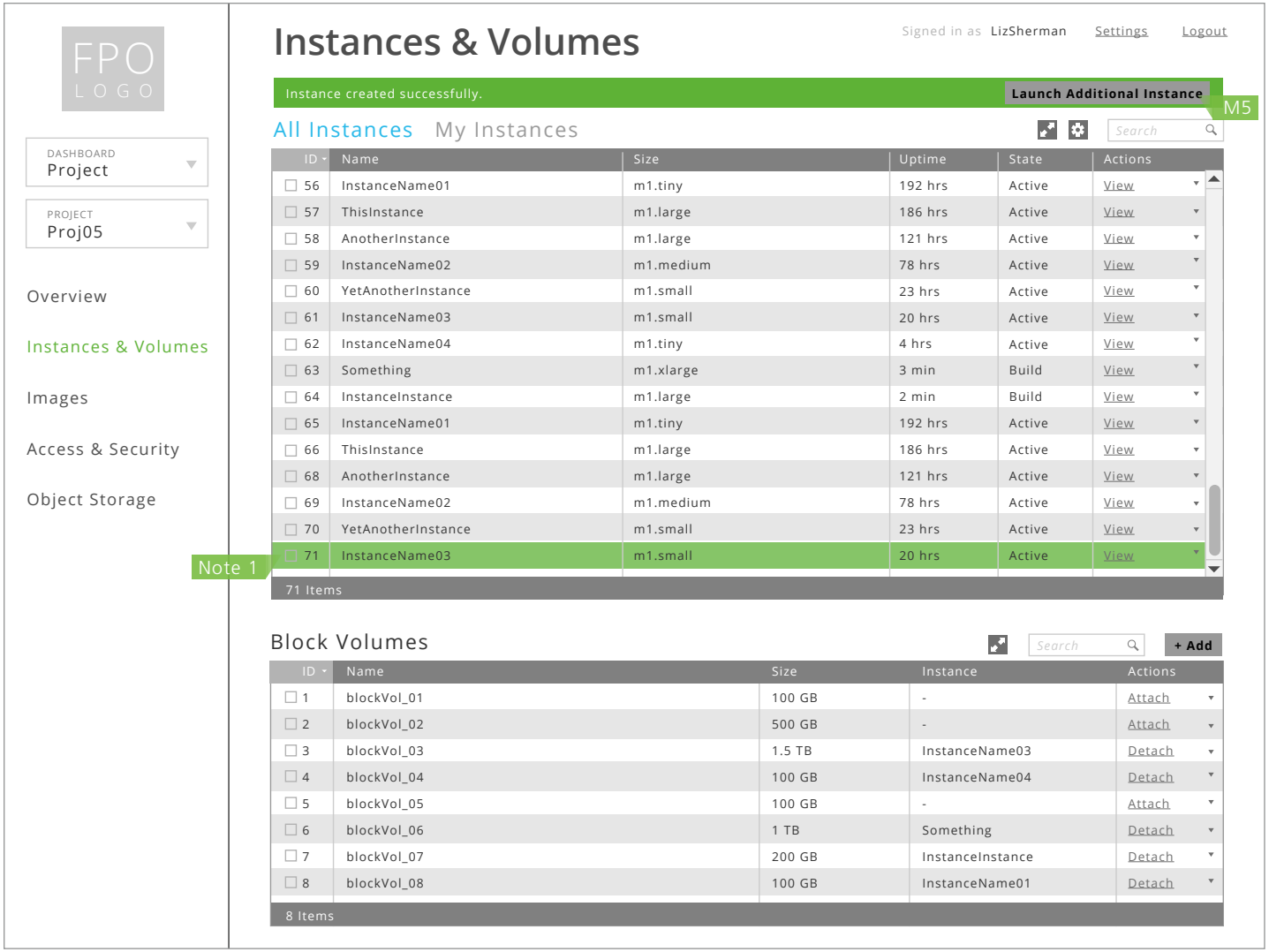
   ACTIONS: Attach (M12)/Detach((Flash), Delete (M1:D4).

   ADD: M6.

NOTES

1. Tables have a maximum height – content exceeding this height will cause continuous scrolling.
2. These options launch external consoles.

P3.1 Instances & Volumes – New Instance



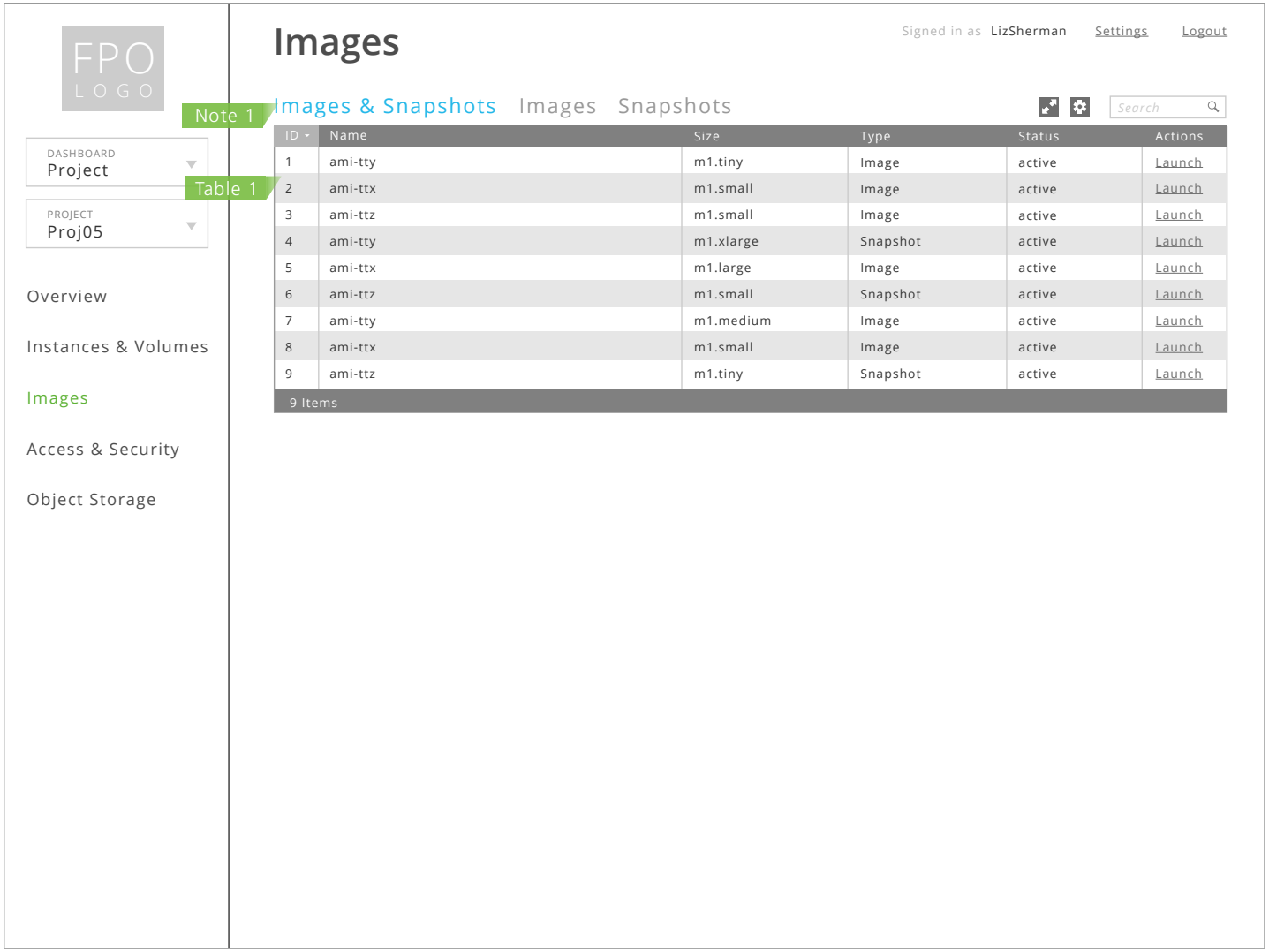
TABLES

All tables for this screen are defined on P3.

NOTES

1. This is an example of a Flash Status (see A1: Flash Statuses).

P4 Images



TABLES

1. **COLUMNS:** ID, Name, Size, Type, Created, Updated, Status, Actions.

   ACTIONS: Launch (M5).

NOTES

1. These Header Tabs (see A1) allow for selection of "Images and Snapshots," "Images," and "Snapshots."

P5 Access & Security

TABLES

1. **COLUMNS:** Name, Fingerprint, Actions.

   ACTIONS: Delete (M1:D5).

   ADD: M2:D2.

2. **COLUMNS:** ID, IP, Instance, Actions.

   ACTIONS: Associate (M9)/Disassociate (Flash), Release (Flash).

3. **COLUMNS:** ID, Name, Description, Actions.

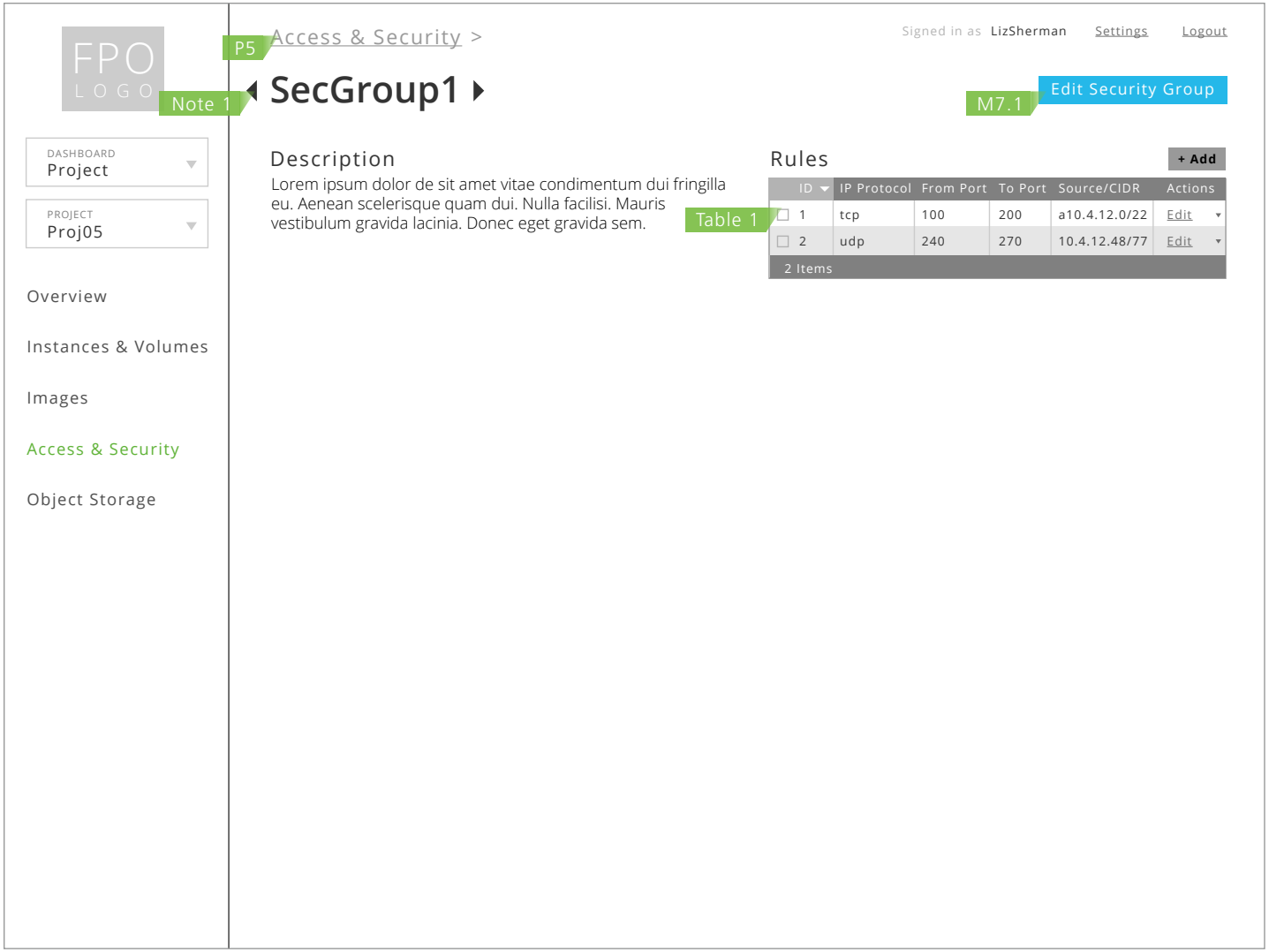
   ACTIONS: View (P5.1), Delete (M1:D8).

   ADD: M7.

NOTES

No notes.

P5.1 Security Group Detail



TABLES

1. **COLUMNS:** ID, IP Protocol, From Port, To Port, Source/CIDR, Actions.

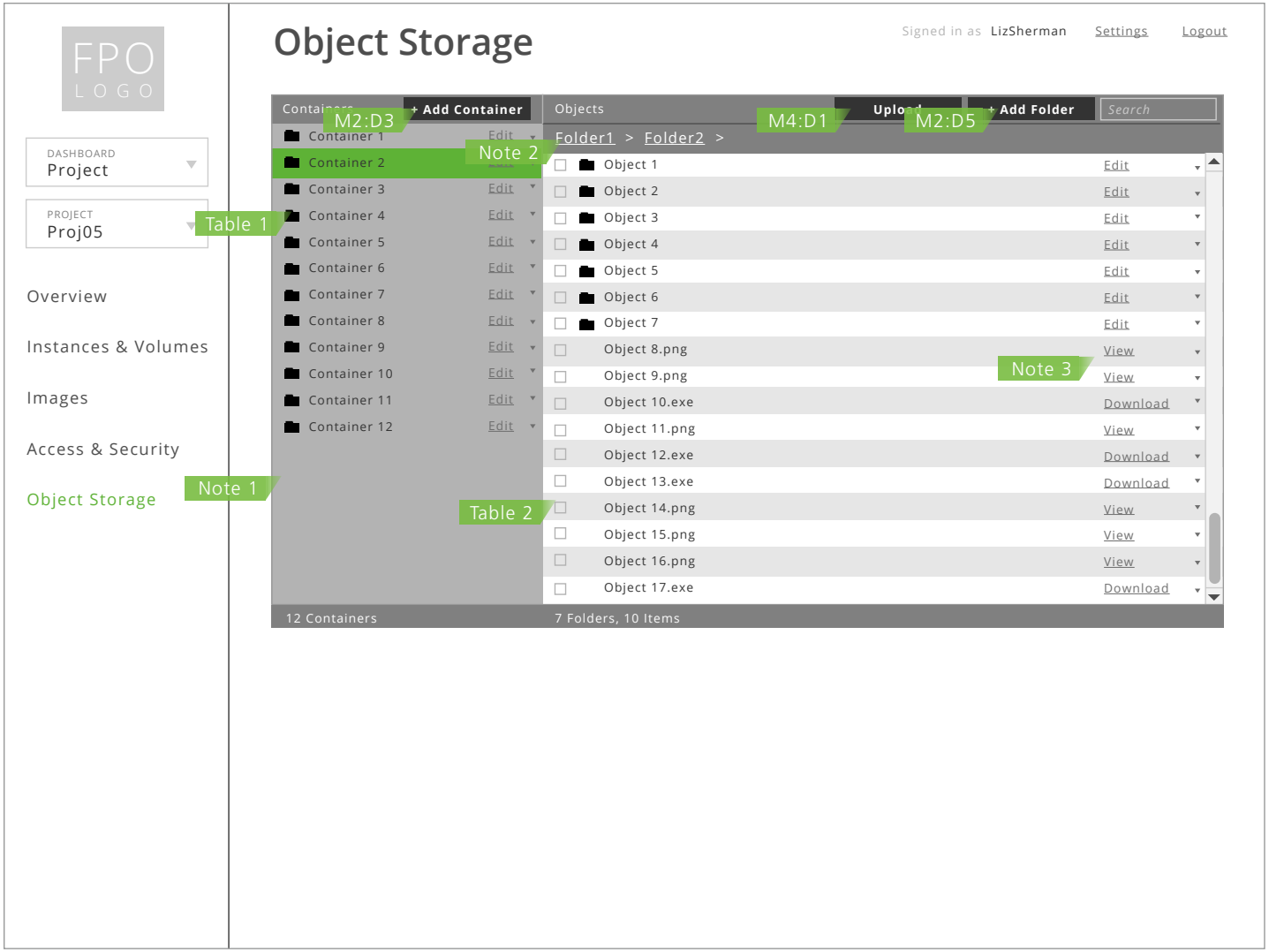
   ACTIONS: Edit (M7.3), Delete (Flash).

   ADD: M7.2.

NOTES

1. User may navigate between security groups by clicking the Next and Previous arrows.

P6 Containers



TABLES

1. **ACTIONS:** Edit (M2:D4), Delete (M1:D7).
2. **DIRECTORY ACTIONS:** Edit (M2:D6), Delete (M1:D9).

   OBJECT ACTIONS: View/Download (See Note 3), Delete (M1:D6).

NOTES

1. This column always shows an A to Z list of containers.
2. As the user navigates directories within a container, this area displays the current locational path. Selecting a previous directory navigates back to that directory.
3. The action for an object is contextual to the file type. If that object may be viewed within the browser, “View” is the default action. Otherwise, “Download” is the default action.

P8 Server Error

Error 502

There was a problem with the server. Please refresh the page or wait a few seconds.

This screen will be shown for any server errors.

This screen may be shown for the System Dashboard as well as the Project Dashboard.

TABLES

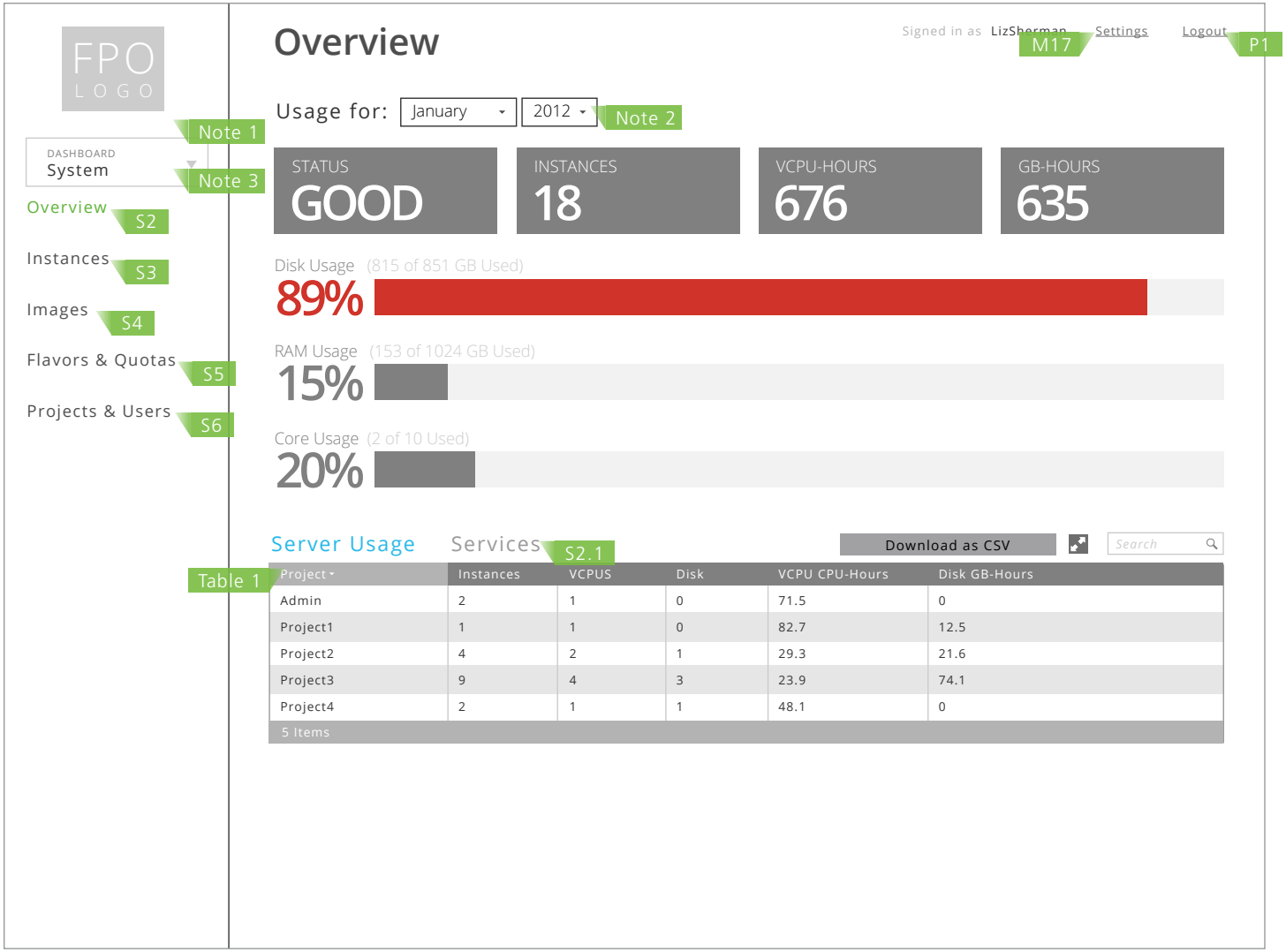
No tables.

NOTES

No notes.

HORIZON SYSTEM DASHBOARD

S2 Overview



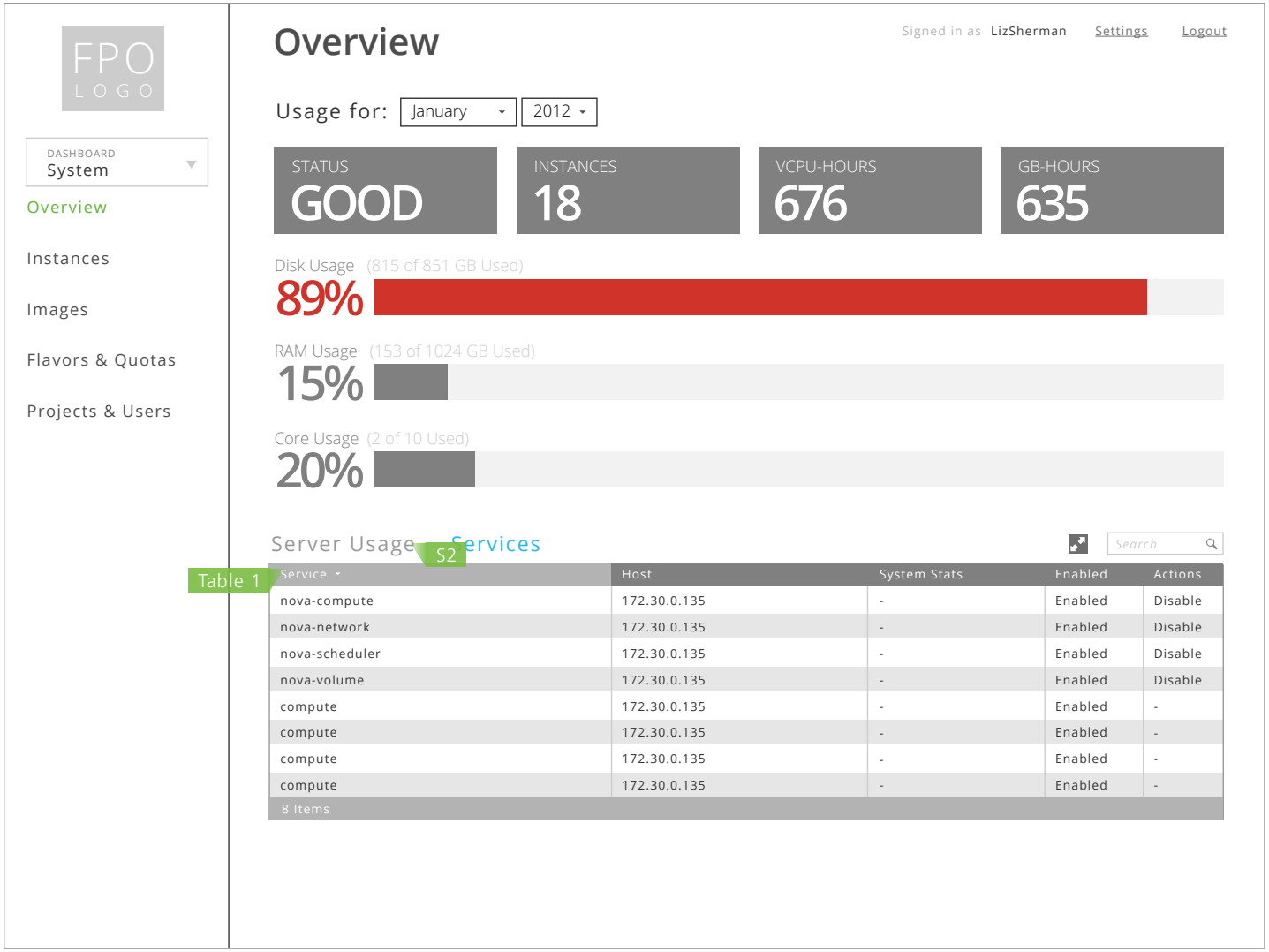
TABLES

1. **COLUMNS:** Project, Instances, VCPUs, Disk, VCPU CPU-Hours, Disk GB-Hours

NOTES

1. Unlike the User Dashboard, the System Dashboard does not show a Project Dropdown.
2. Month and year dropdowns allow the user to view different sets of data.
3. The Dashboard dropdown allows the user to switch between System and Project dashboards.

S2.1 Overview (Services Table)



TABLES

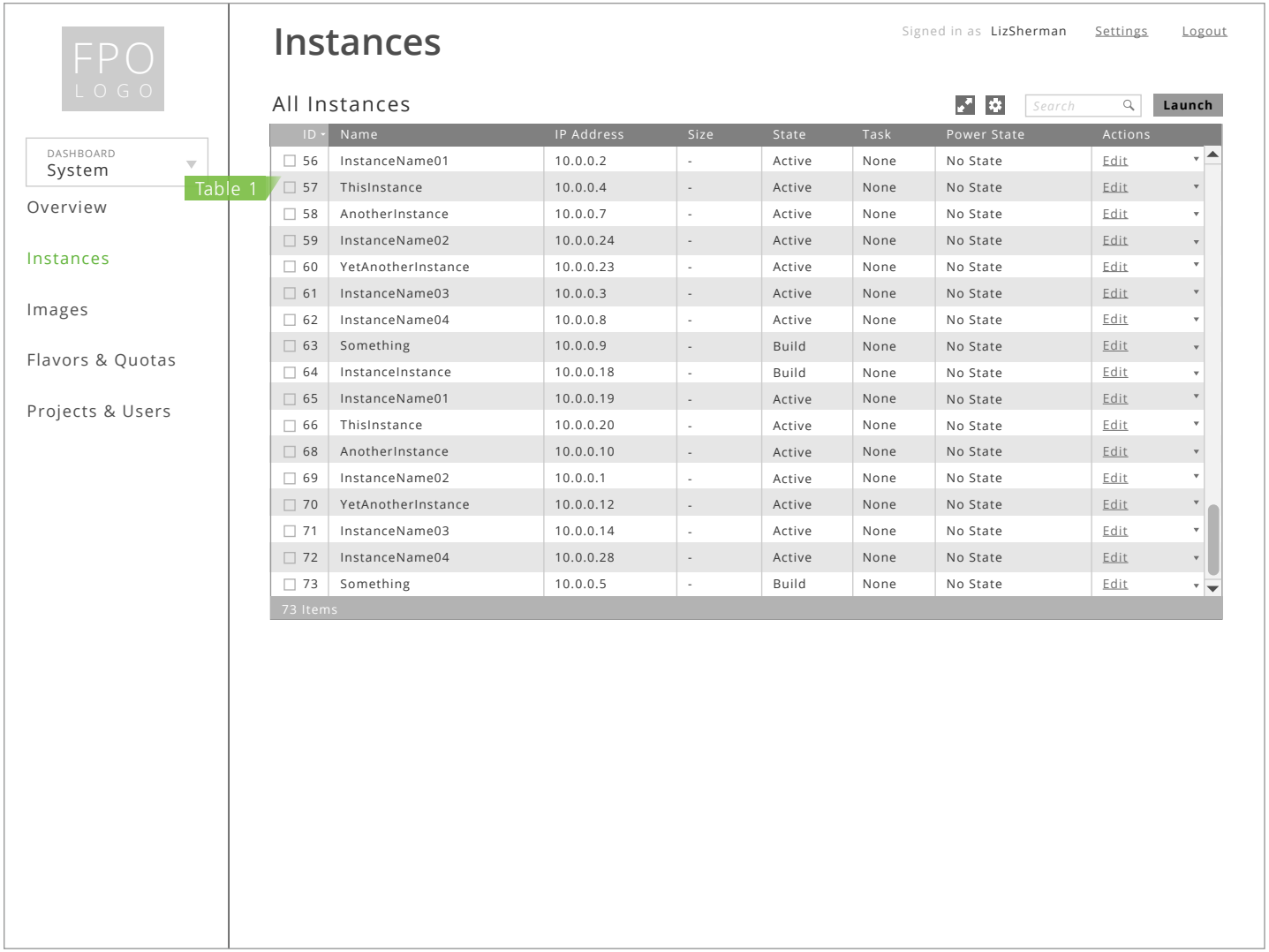
1. **COLUMNS:** Service, Host, System Stats, Enabled, Actions.

   ACTIONS: Disable (Flash).

NOTES

No notes.

S3 Instances



TABLES

1. **COLUMNS:** ID, Name, IP Address, Project, User, Host, Image, Size, Security Groups, IPs, Volumes, Task, State, Power State, Actions.

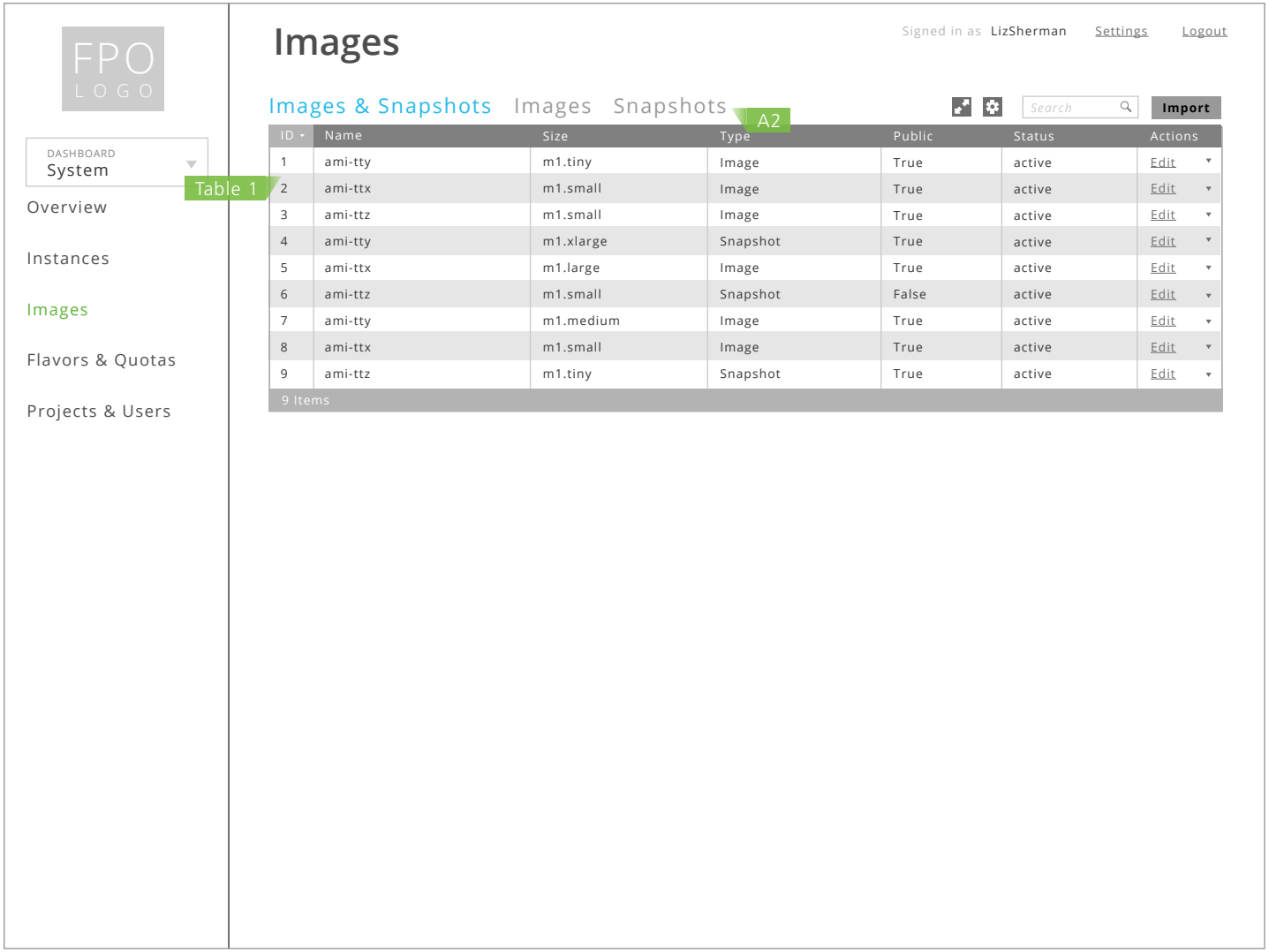
   ACTIONS: Edit (M5.1), View (Console), Log (Log), Snapshot (M10), Pause (Flash), Suspend (Flash), Reboot (M1:D3), Terminate(M1:D2).

   LAUNCH: P4 (Project Dashboard).

NOTES

No notes.

S4 Images



TABLES

1. **COLUMNS:** ID, Name, Size, Type, Created, Updated, Public, Status, Actions.

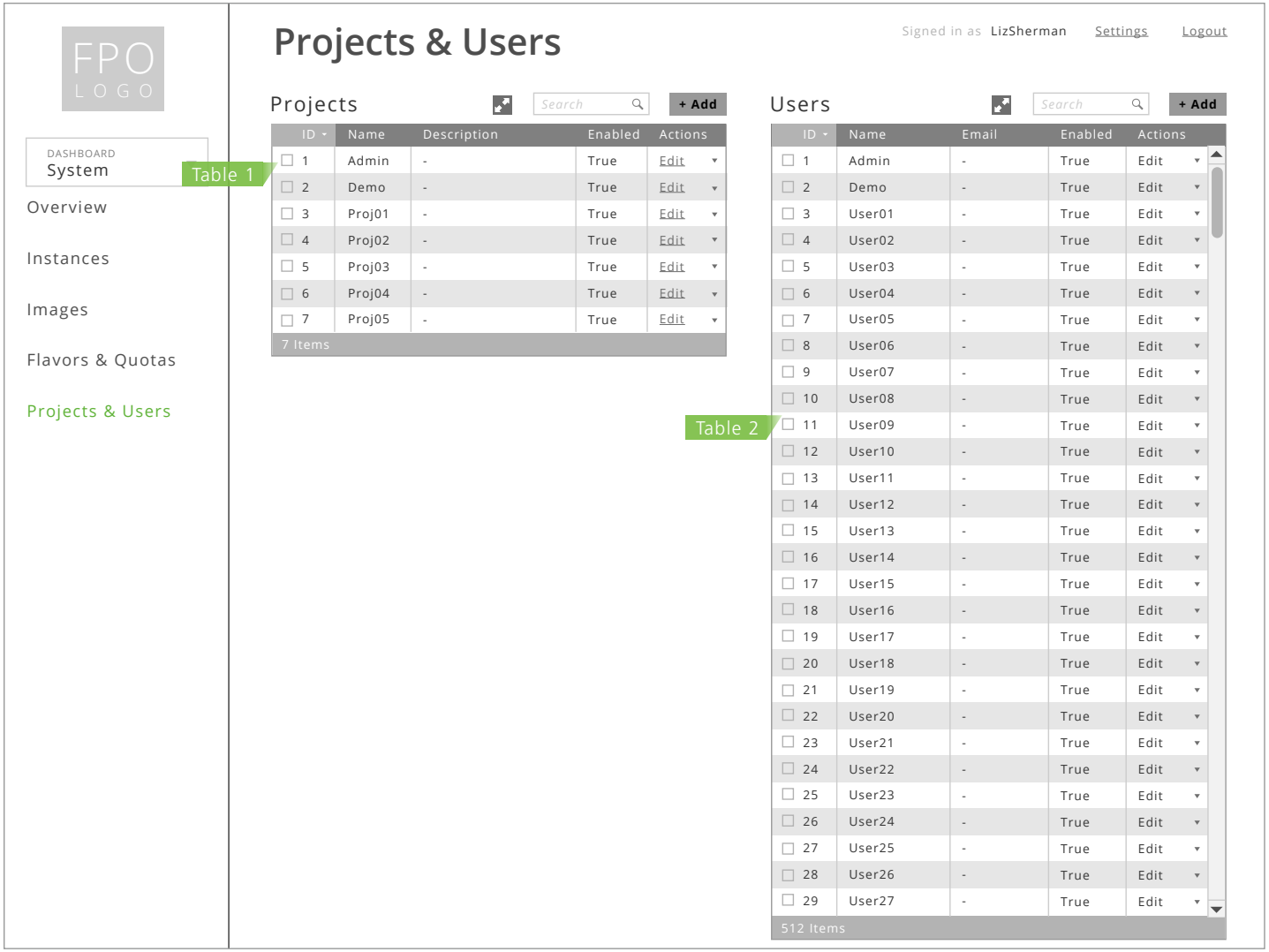
   ACTIONS: Edit (M12), Delete (M1:D10).

   IMPORT: (M4:D2).

NOTES

No notes.

S5 Projects & Users



TABLES

1. **COLUMNS:** ID, Name, Description, Enabled, Actions.

   ACTIONS: Edit (M13.1), Delete (M1:D11), Details (x), Edit Members (M14.1), Edit Quota (M15.1).

   ADD: (M13).

1. **COLUMNS:** ID, Name, Email, Enabled, Actions.

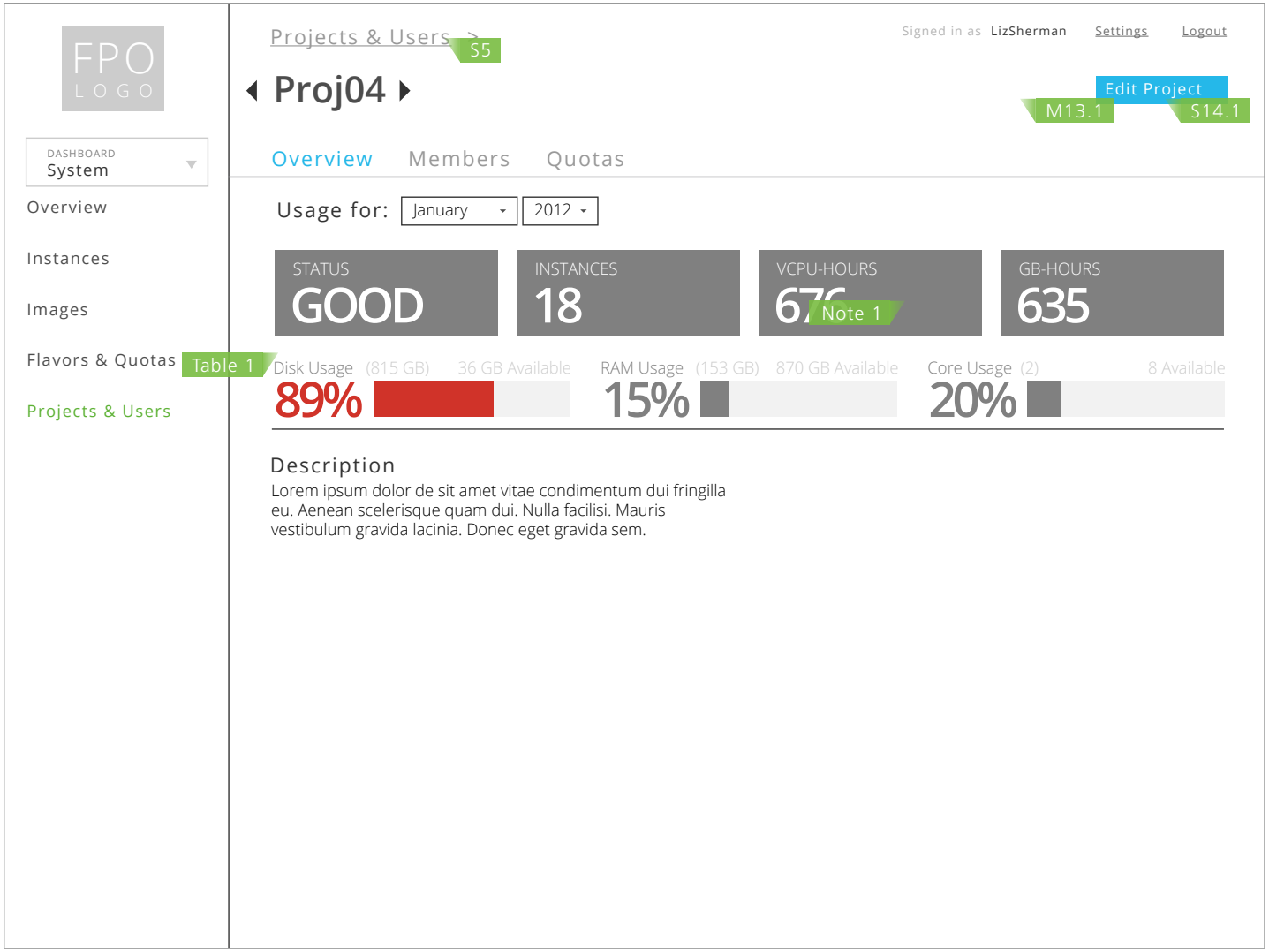
   ACTIONS: Edit (M16.1), Disable (Flash), Delete (M1:D12).

   ADD: (M16).

NOTES

No notes.

S5.1 Project Detail



TABLES

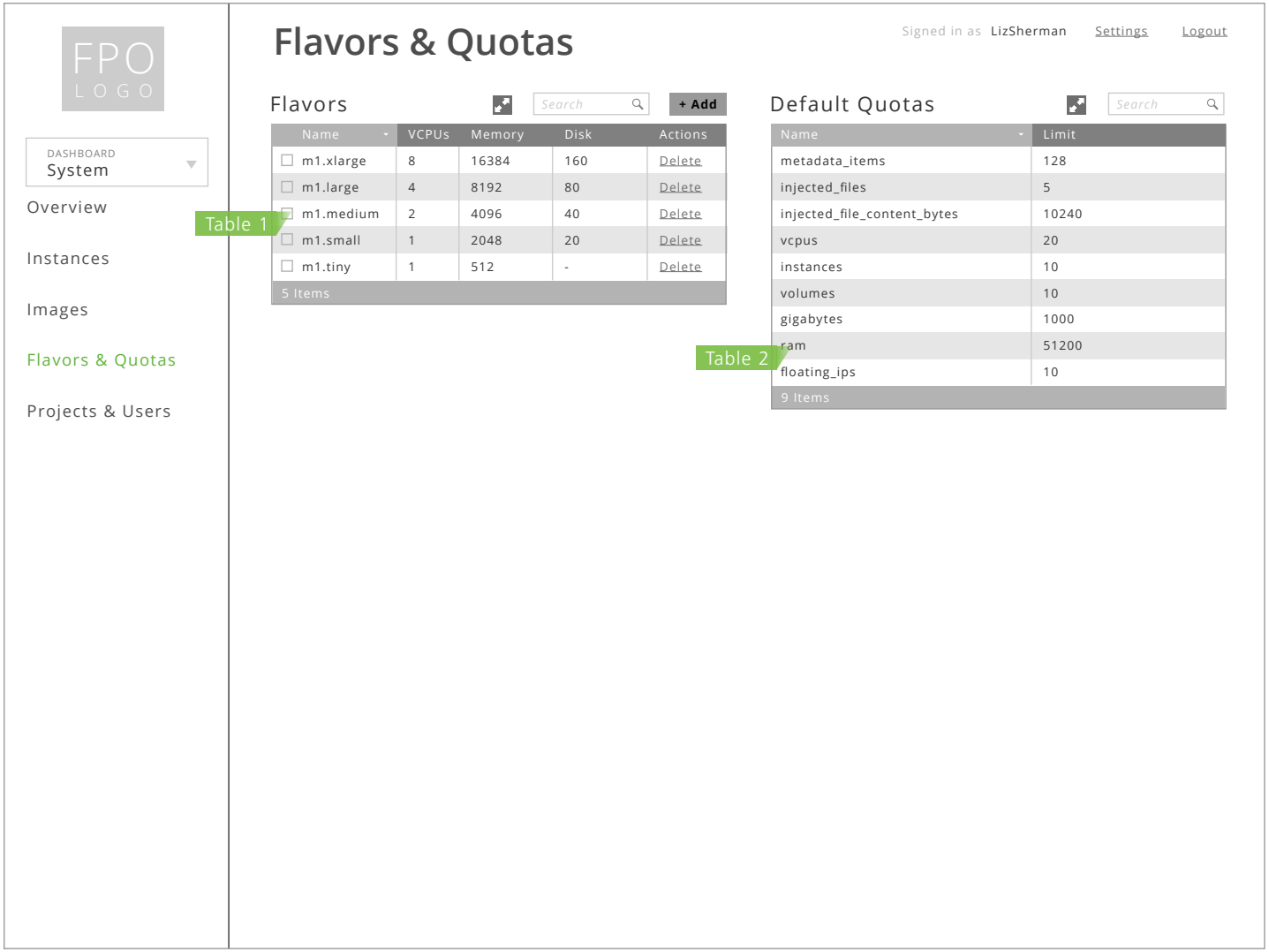
1. **COLUMNS:** Name, Limit.

   EDIT: M15.1.

NOTES

1. Month and year dropdowns allow the user to view different sets of data.

S6 Flavors & Quotas



TABLES

1. **COLUMNS:** Name, VCPUs, Memory, Disk, Actions.

   ACTIONS: Delete (M1:D13).

   ADD: (M11).

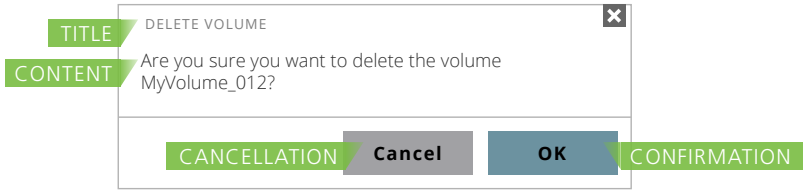
1. **COLUMNS:** Name, Limit.

NOTES

No notes.

MODALS

M1 Generic Dialog



This screen is a modal screen and occurs on top of the previous screen.

The Generic Dialog screen defines the template for the way in which prompts are offered to the user.

The TITLE, CONTENT, CONFIRMATION, and CANCELLATION values are defined for each screen as seen below. In some cases, elements such as the TITLE and CANCELLATION button may be removed.

GENERIC DIALOG VALUES

D1

Title: Forgotten Password

Content: Please check with your system admin for password recovery.

Confirmation: OK (S1)

D2

Title: Terminate Instance

Content: Are you sure you want to terminate the instance [Instance Name]?

Confirmation: Terminate (Previous screen)

Cancellation: Cancel (Previous screen)

D3

Title: Reboot Instance

Content: Are you sure you want to reboot the instance [Instance Name]?

Confirmation: Reboot (Previous screen)

Cancellation: Cancel (Previous screen)

D4

Title: Delete Volume

Content: Are you sure you want to delete the volume [Volume Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D5

Title: Delete Keypair

Content: Are you sure you want to delete keypair [Keypair Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D6

Title: Delete Object

Content: Are you sure you want to delete the object [Object Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

GENERIC DIALOG VALUES CONTINUED

D7

Title: Delete Container

Content: Are you sure you want to delete the container [Container Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D8

Title: Delete Security Group

Content: Are you sure you want to delete the security group [Security Group Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D9

Title: Delete Directory

Content: Are you sure you want to delete the directory [Directory Name]? This will also delete the contents of this directory.

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D10

Title: Delete Image

Content: Are you sure you want to delete the image [Image Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D11

Title: Delete Project

Content: Are you sure you want to delete the project [Project Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

D12

Title: Delete User

Content: Are you sure you want to delete the user [User Name]?

Confirmation: Delete (Previous screen)

Cancellation: Cancel (Previous screen)

M1 Generic Dialog (cont.)

GENERIC DIALOG VALUES

D13

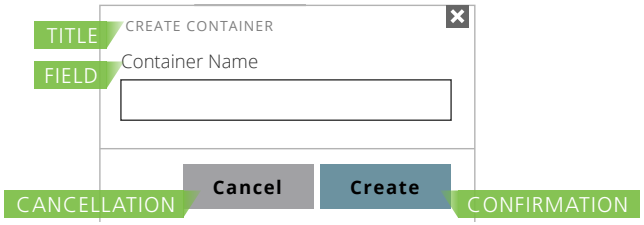
Title: Delete Flavor

Content: Are you sure you want to delete the flavor [Flavor Name]?

Confirmation: Delete (Previous Screen)

Cancellation: Cancel (Previous Screen)

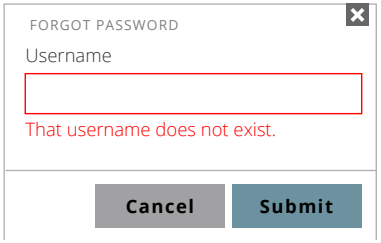
M2 Generic Input



This screen is a modal screen and occurs on top of the previous screen.

The Generic Input screen defines the template for the way in which the user enters a single value.

The TITLE, FIELD, CONFIRMATION, and CANCELLATION values are defined for each screen as seen below.



Generic Dialog errors highlight the appropriate fields and include a description of what went wrong.

GENERIC INPUT VALUES

D1

Title: Create Snapshot

Field: Snapshot Name

Confirmation: Create (Previous Screen)

Cancellation: Cancel (Previous Screen)

D2

Title: Create Keypair

Field: Keypair Name

Confirmation: Create (Previous Screen)

Cancellation: Cancel (Previous Screen)

D3

Title: Create Container

Field: Container Name

Confirmation: Create (Previous Screen)

Cancellation: Cancel (Previous Screen)

D4

Title: Edit Container

Field: Container Name (this field is pre-populated with the current container name)

Confirmation: Update (Previous Screen)

Cancellation: Cancel (Previous Screen)

D5

Title: Add Directory

Field: Directory Name

Confirmation: Create (Previous Screen)

Cancellation: Cancel (Previous Screen)

D6

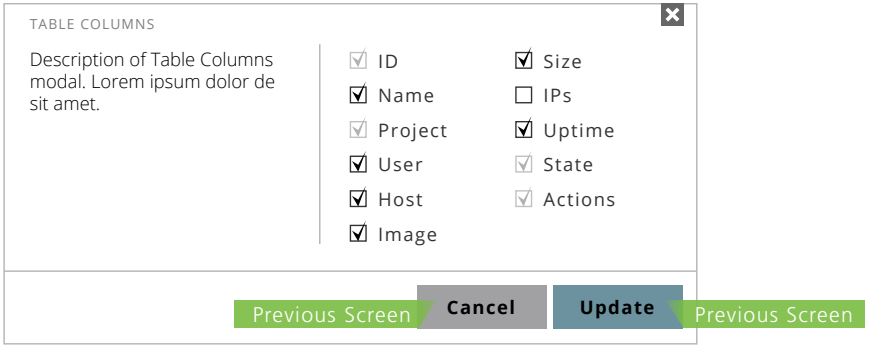
Title: Edit Directory

Field: Directory Name (this field is pre-populated with the current directory name)

Confirmation: Update (Previous Screen)

Cancellation: Cancel (Previous Screen)

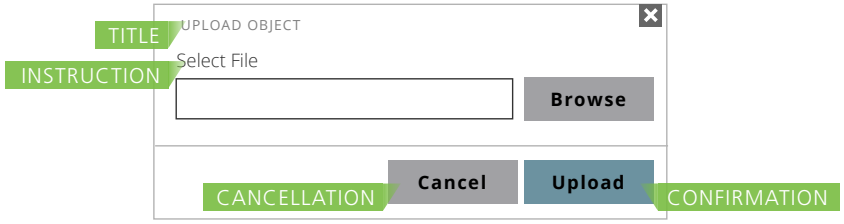
M3 Table Options



This screen is a modal screen and occurs on top of the previous screen.

This control allows the user to toggle the visibility of non-required columns.

M4 Generic Upload



This screen is a modal screen and occurs on top of the previous screen.

The Generic Upload screen defines the template for the way in which the user uploads files.

The TITLE, INSTRUCTION, CONFIRMATION, and CANCELLATION values are defined for each screen as seen below.

GENERIC INPUT VALUES

D1

Title: Upload Object

Instruction: Select File

Confirmation: Upload (4.1)

Cancellation: Cancel (Previous Screen)

D2

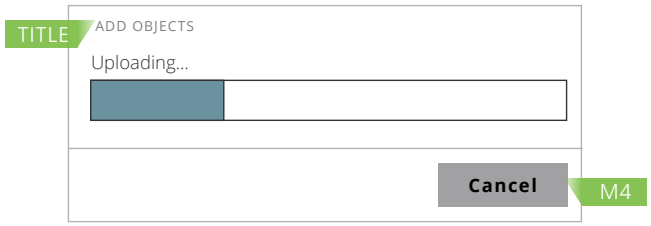
Title: Import Image

Instruction: Select Image File

Confirmation: Import (4.1)

Cancellation: Cancel (Previous Screen)

M4.1 Uploading Object

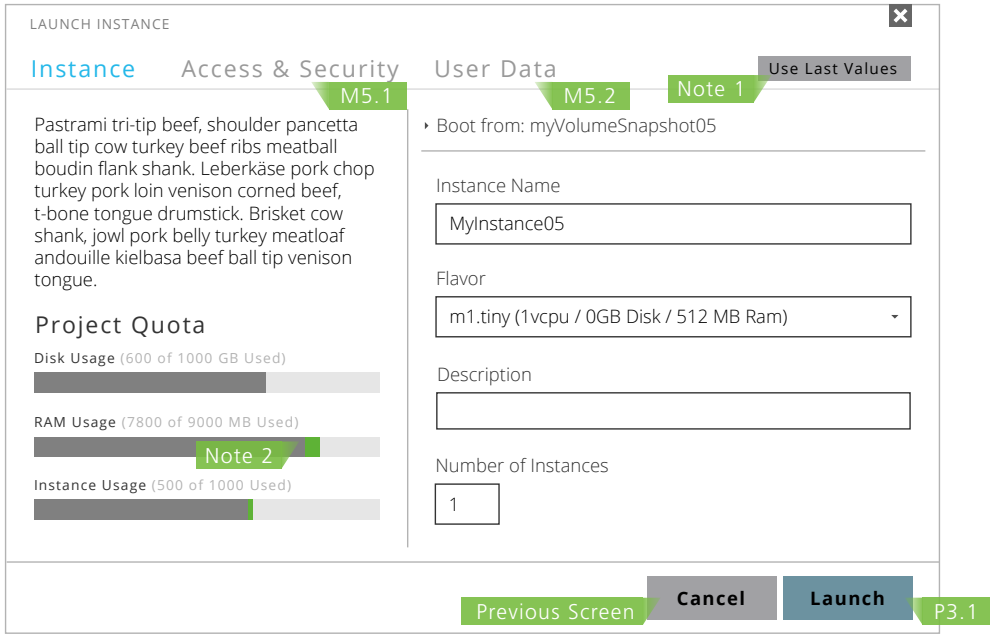


This screen is a modal screen and occurs on top of the previous screen.

The TITLE for this modal uses the same TITLE as the originating M4 modal.

Upon completion returns to screen previous to M4.

M5 Launch Instance (Instance)

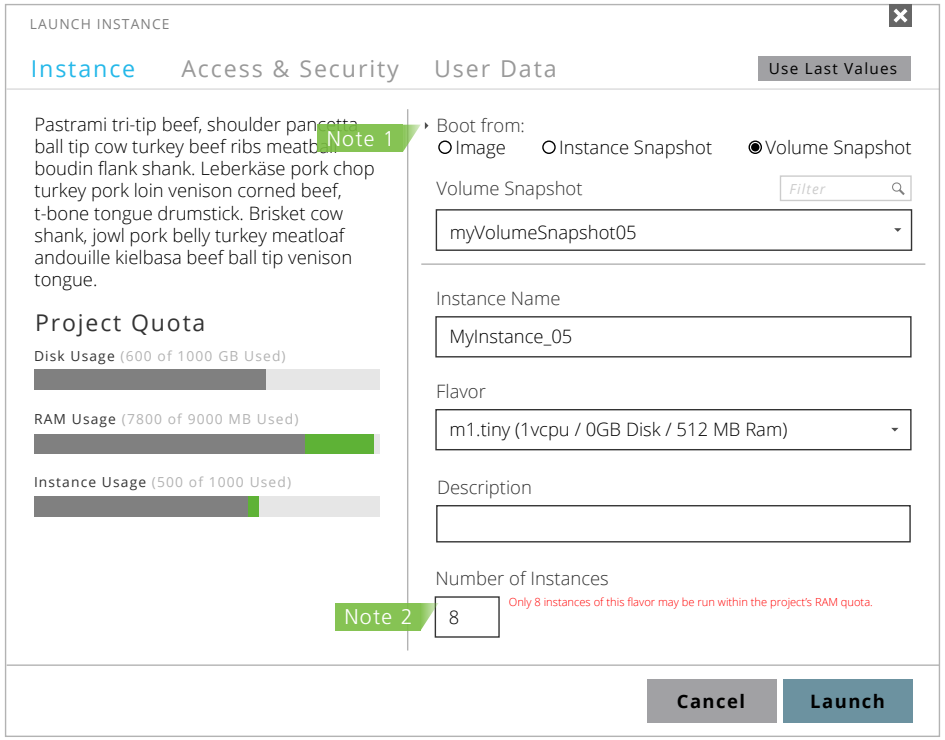


This screen is a modal screen and occurs on top of the previous screen.

NOTES

1. Clicking this button populates all fields on all screen tabs with the values of the instance last launched by this user.
2. The projected impact of the instances launched is visually displayed in relation to the project quota.

M5 Launch Instance Cont.



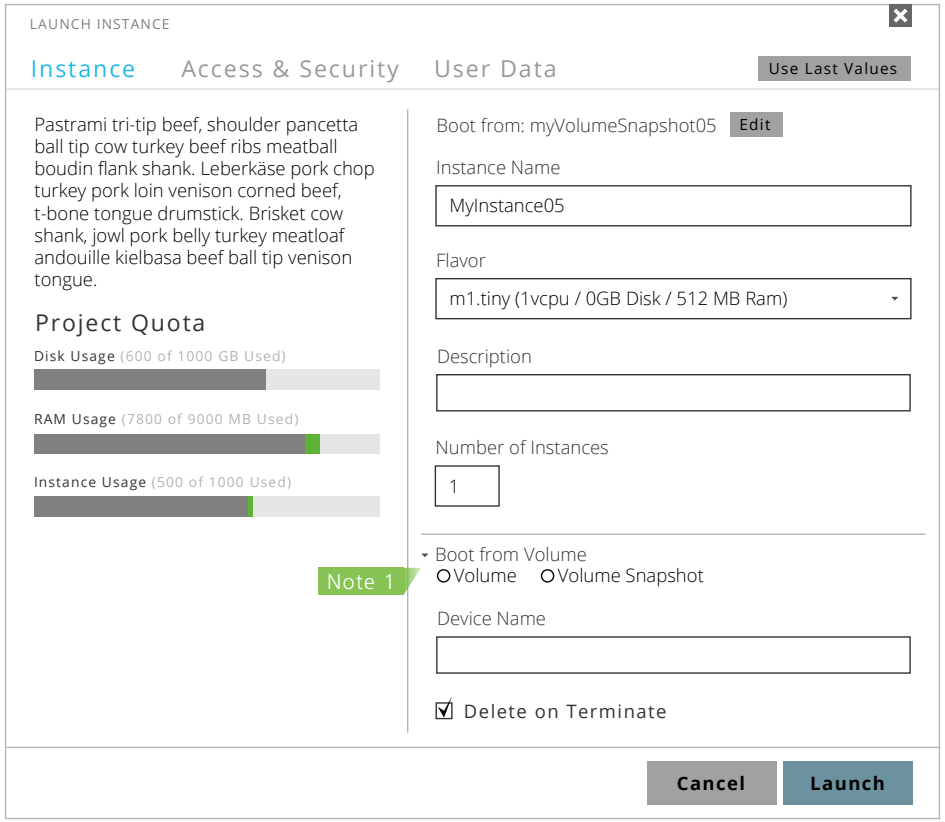
This screen is a modal screen and occurs on top of the previous screen.

This screen shows an alternate state of M5.

NOTES

1. When the Boot From section is expanded, the user may choose the boot target.
2. If the number of instances enters exceeds a project quota then the number is replaced with the higheest possible amound and an explanatory error message is shown.

M5 Launch Instance Cont.



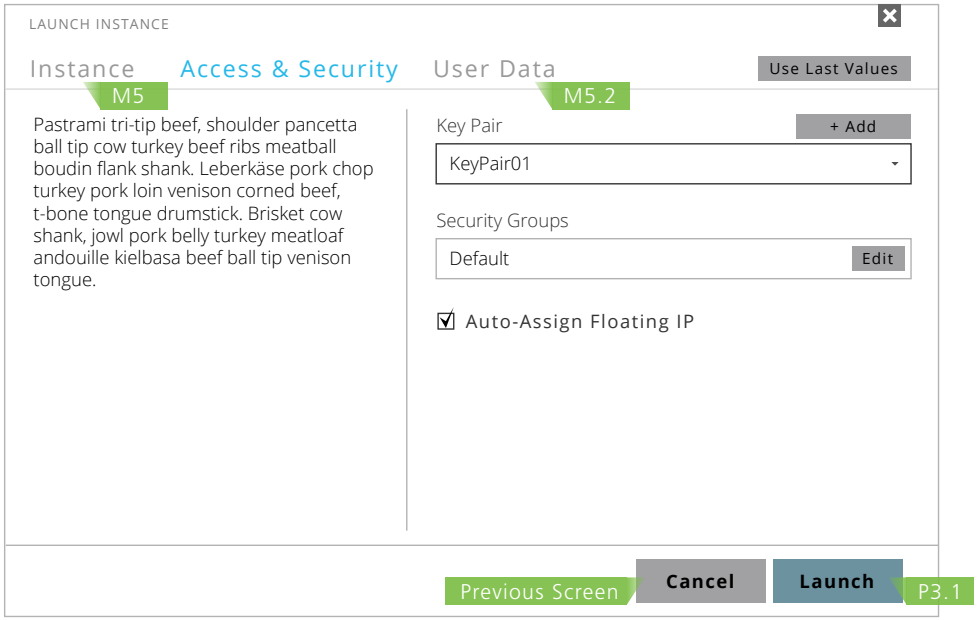
This screen is a modal screen and occurs on top of the previous screen.

This screen shows an alternate state of M5.

NOTES

1. The Boot from Volume section is shown only if the boot target is an image. By default this section is minimized.

M5.1 Launch Instance (Access & Security)

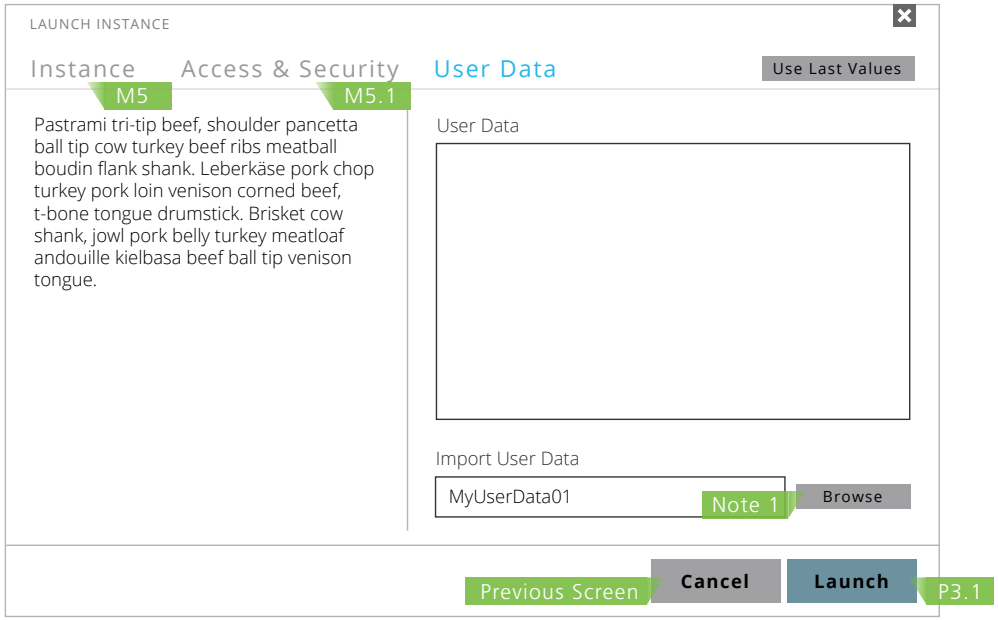


This screen is a modal screen and occurs on top of the previous screen.

NOTES

1. If this screen has been entered from P3.1 (after the creation of an instance), all fields are prepopulated with values from the last created instance.
2. Launches a file browser dialog. Selection of a file imports its contents into the User Data field.
3. Based on the selected size template, if this value exceeds the project quota then this number will automatically change to the largest possible value.
4. This button will populate all fields with the values from the last launched instance. If no previous instances have been launched, this button does not appear.

M5 Launch Instance

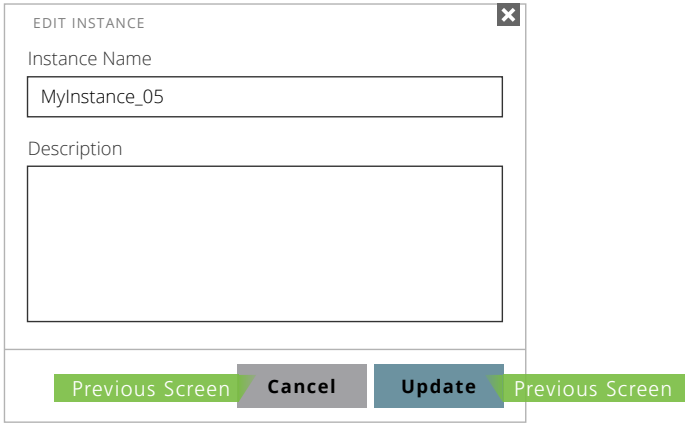


This screen is a modal screen and occurs on top of the previous screen.

NOTES

1. Launches a file browser dialog. Selection of a file imports its contents into the User Data field.

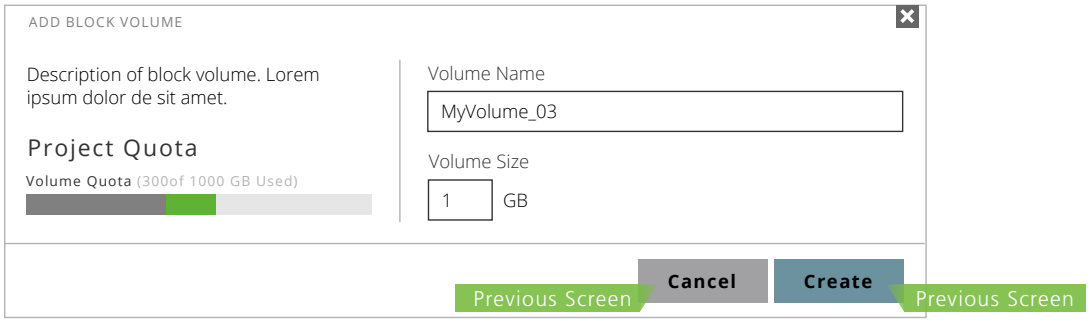
M5.3 Edit Instance



This screen is a modal screen and occurs on top of the previous screen.

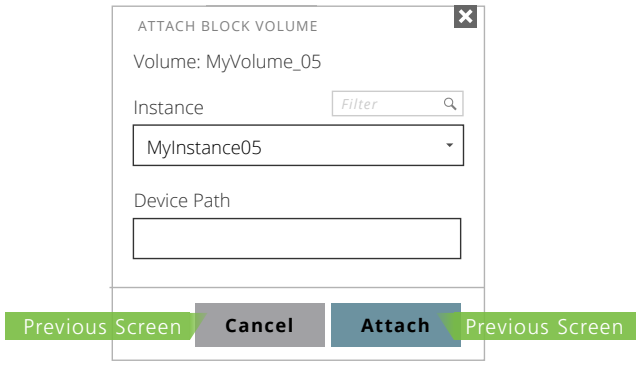
Fields are prepopulated with any currently existing data.

M6 Add Volume



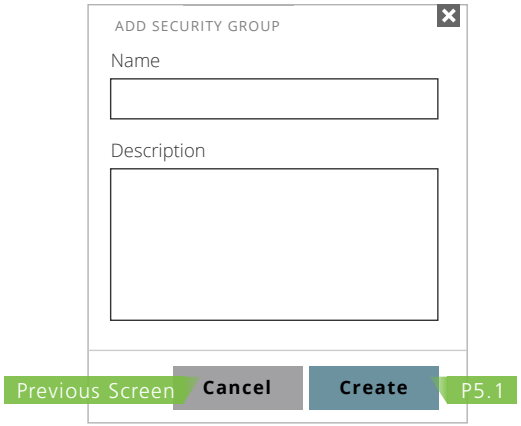
This screen is a modal screen and occurs on top of the previous screen.

M6.1 Attach Block Volume



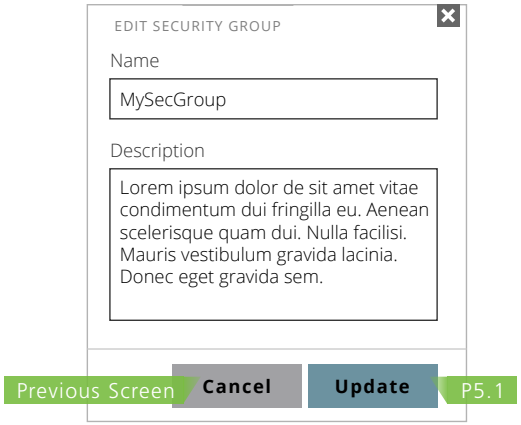
This screen is a modal screen and occurs on top of the previous screen.

M7 Add Security Group



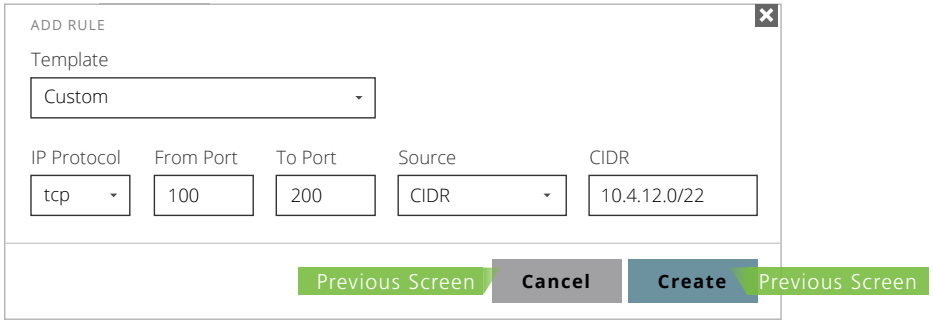
This screen is a modal screen and occurs on top of the previous screen.

M7.1 Edit Security Group



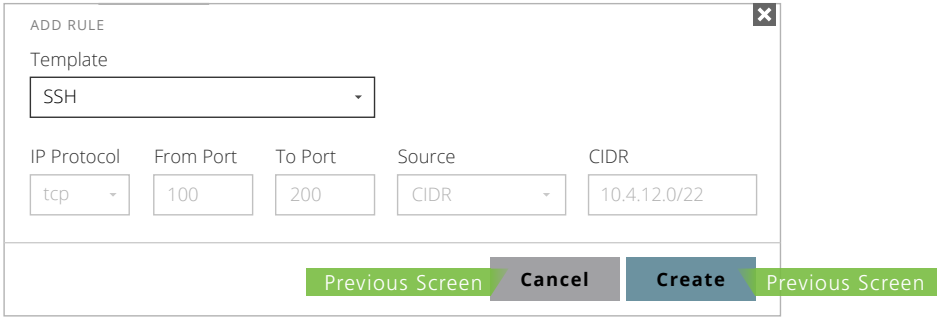
This screen is a modal screen and occurs on top of the previous screen.

M7.2 Add Rule

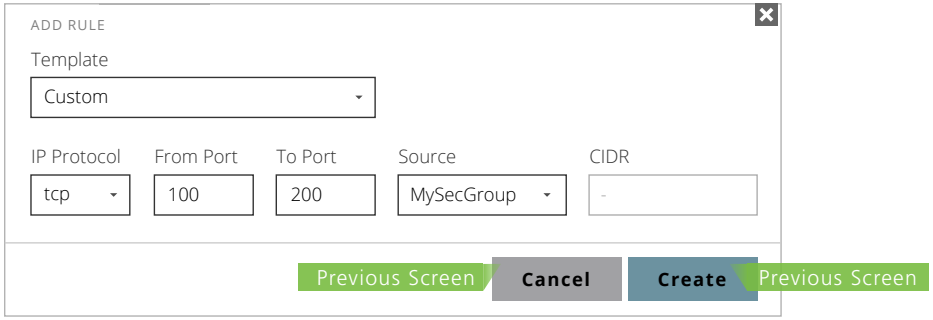


This screen is a modal screen and occurs on top of the previous screen.

The Custom template is selected by default. This allows the user to manually select the IP Protocol, From Port, To Port, Source, and CIDR values.

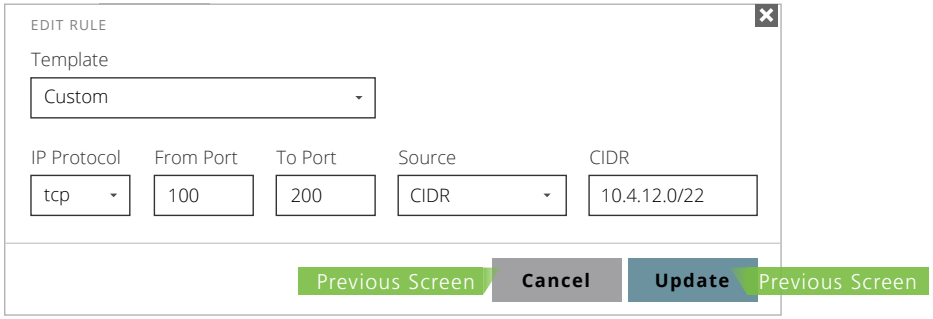


If a different template is selected, certain values may be automatically populated and the user will be unable to alter their values.



If a security group is chosen as the source for a security group, the CIDR value cannot be modified.

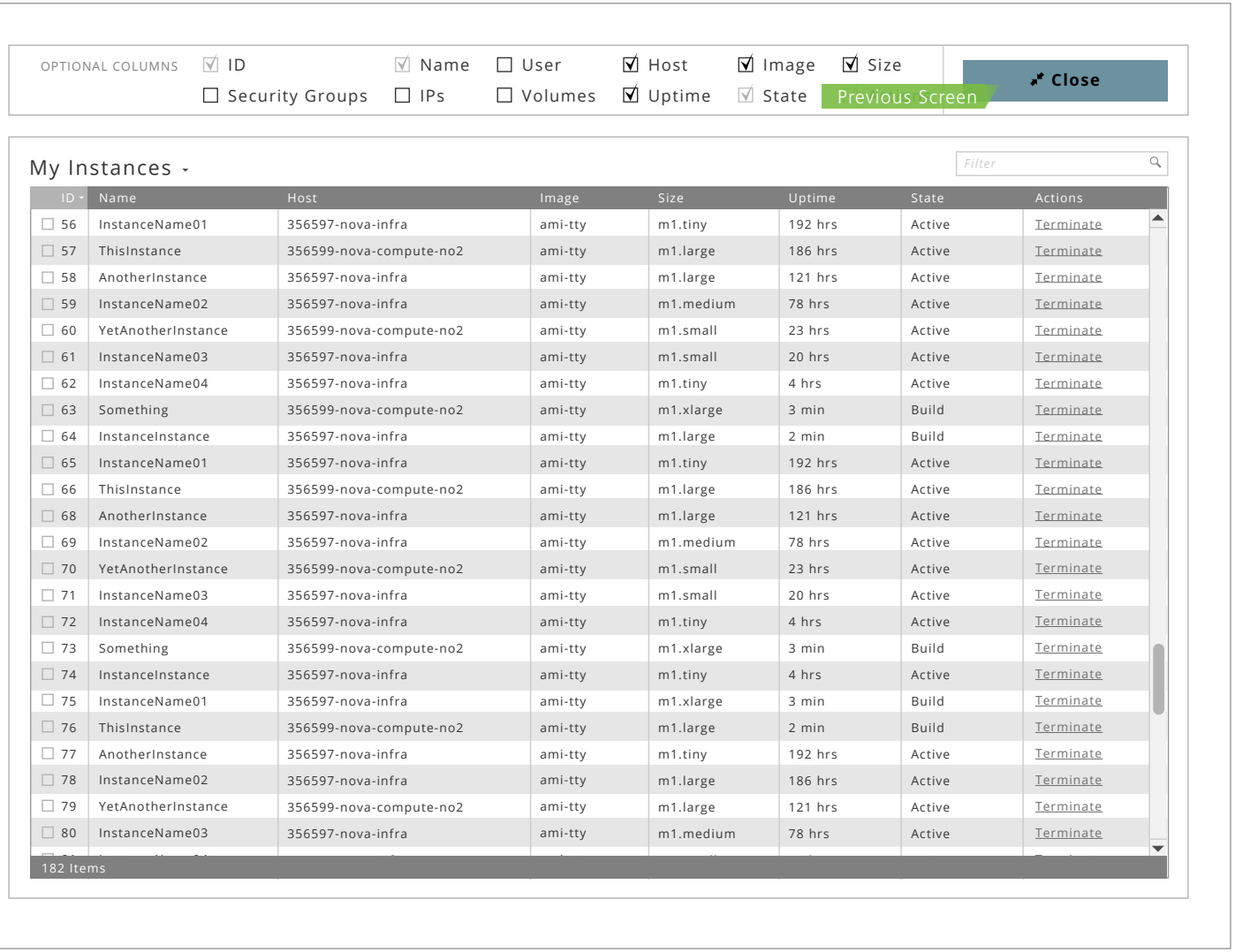
M7.3 Edit Rule



This screen is a modal screen and occurs on top of the previous screen.

The behavior for this screen functions like M7.2.

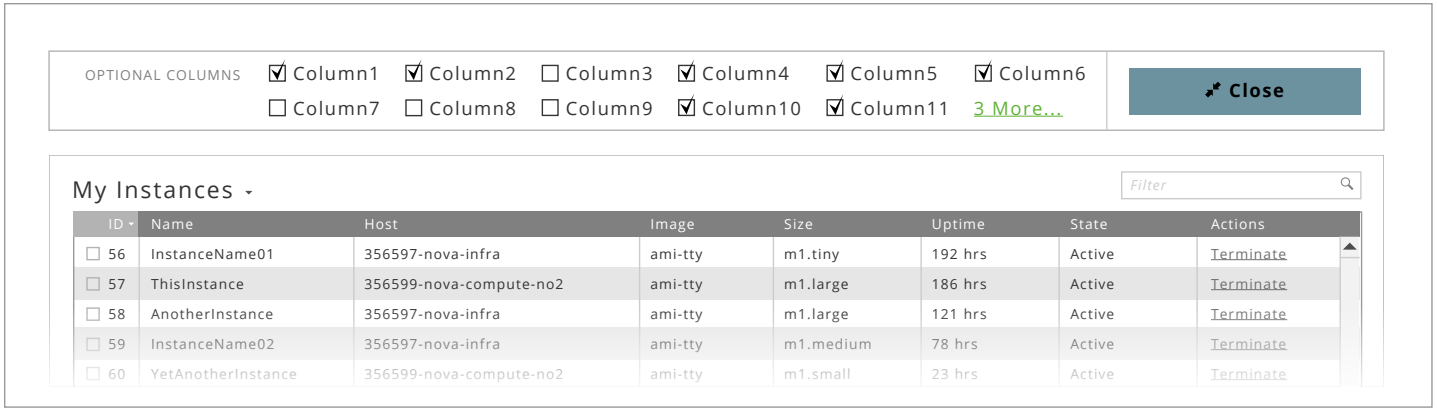
M8 Examine Table



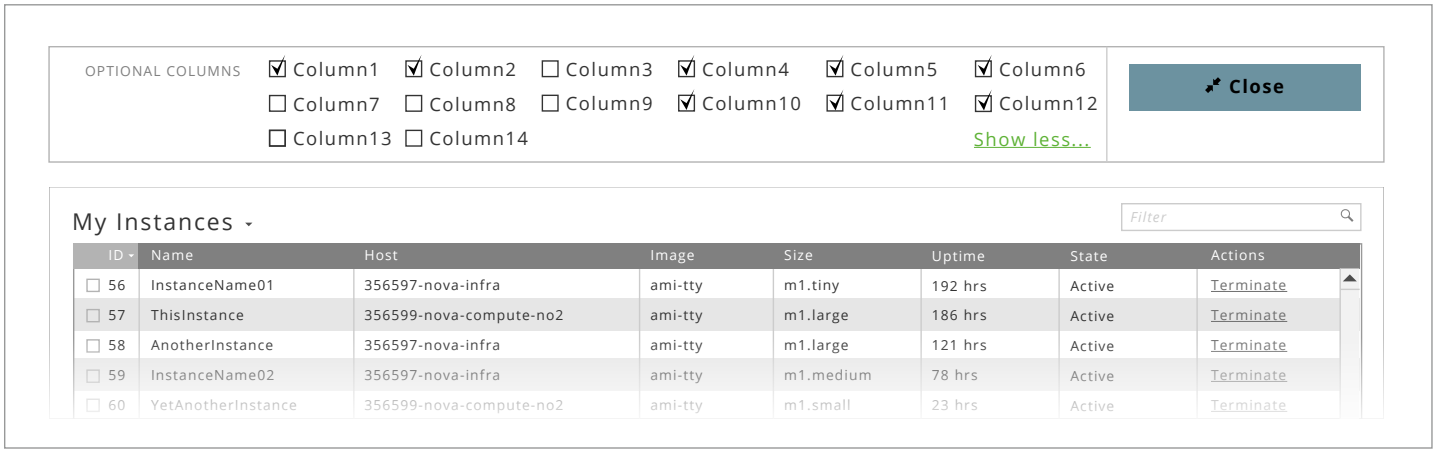
This screen is a modal screen and occurs on top of the previous screen.

The Examine Table screen allows for more immersive interactions with large amounts of table data.

M8 Examine Table (Continued)

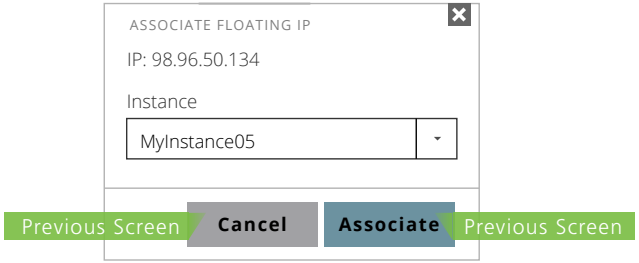


If more columns exist for a table than can be displayed in the Optional Columns control, the last item will be listed as "[n] More...".



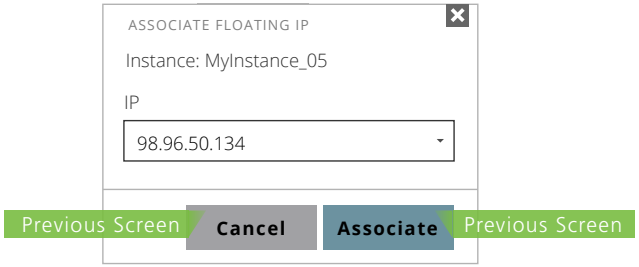
Selecting the More option will expand the Optional Columns panel and reveal all columns. The "Show Less..." option will revert the state of the Optional Columns panel.

M9 Associate Floating IP (IP)



This screen is a modal screen and occurs on top of the previous screen.

M9.1 Associate Floating IP (Instance)



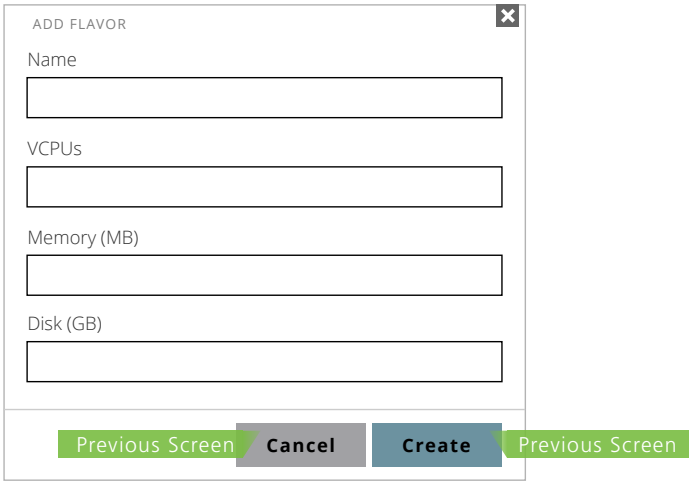
This screen is a modal screen and occurs on top of the previous screen.

M10 Create Snapshot

This screen is a modal screen and occurs on top of the previous screen.

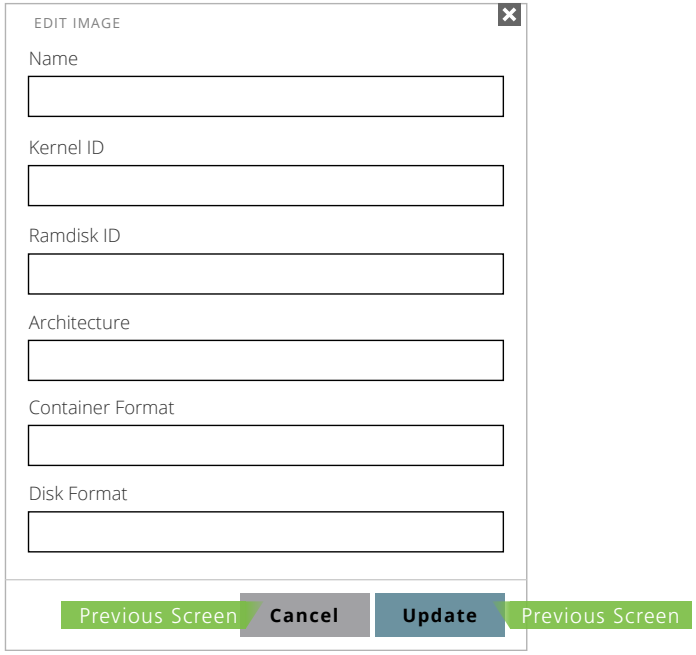
The Instance Name field is not editable.

M11 Add Flavor



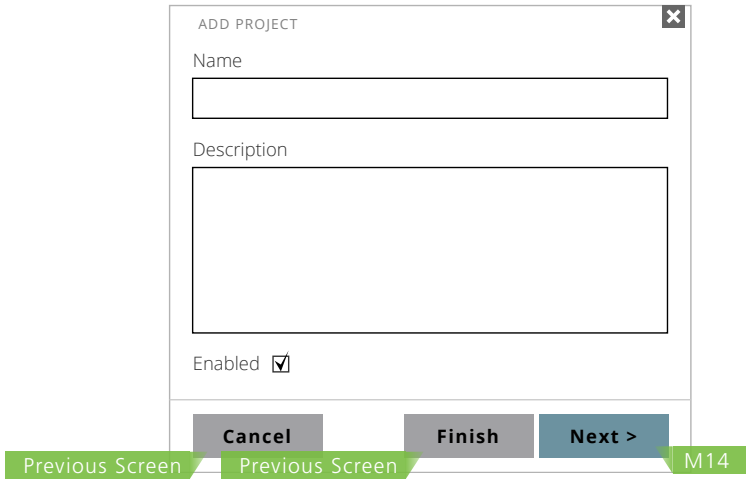
This screen is a modal screen and occurs on top of the previous screen.

M12 Edit Image



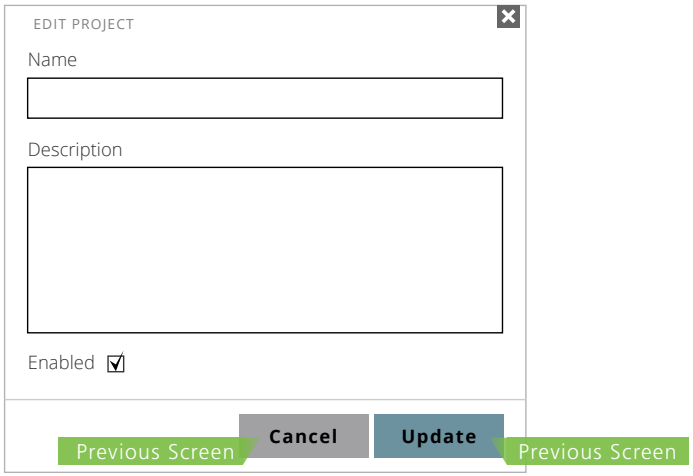
This screen is a modal screen and occurs on top of the previous screen.

M13 Add Project



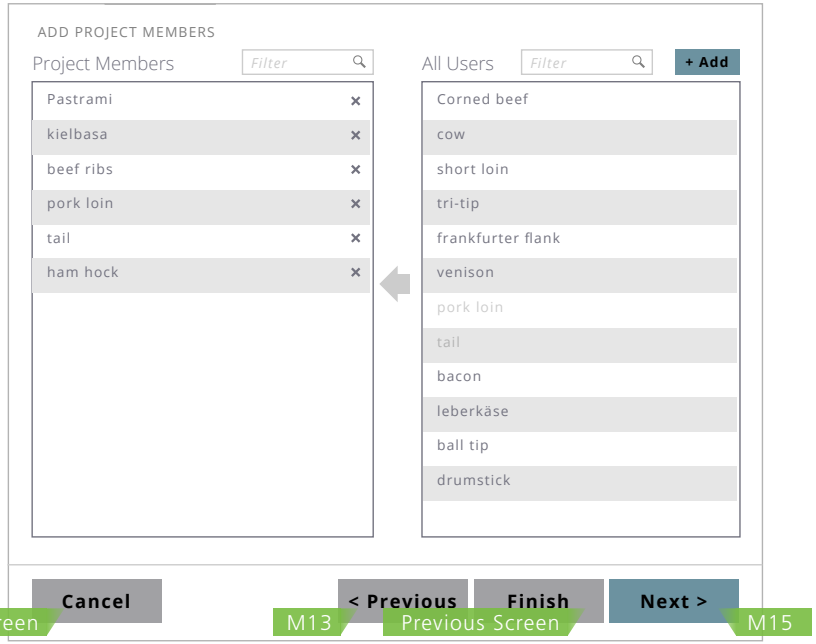
This screen is a modal screen and occurs on top of the previous screen.

M13.1 Edit Project



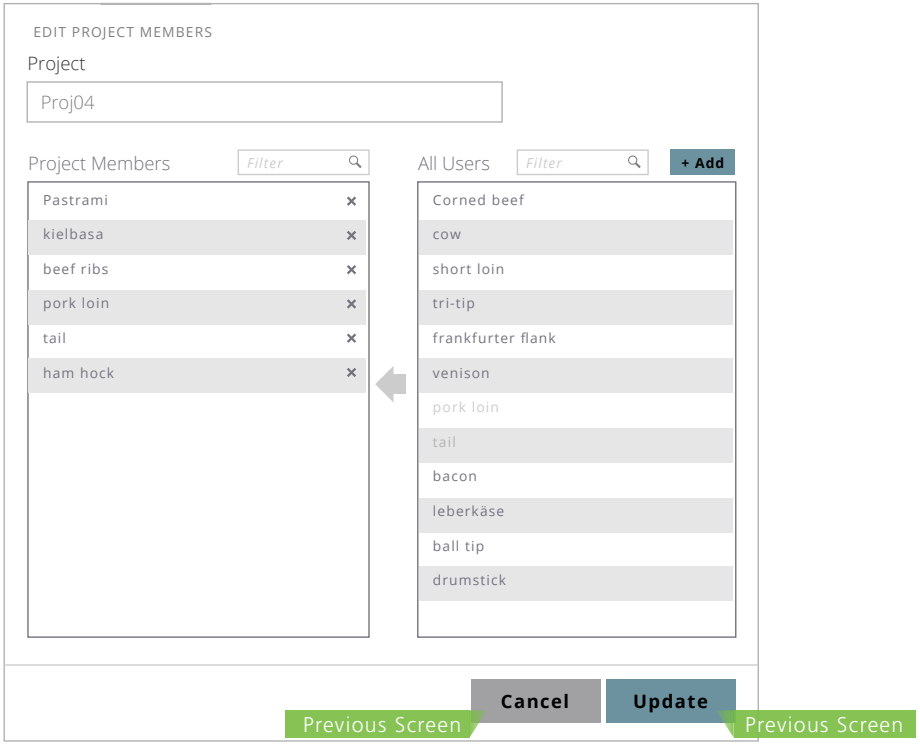
This screen is a modal screen and occurs on top of the previous screen.

M14 Add Project Members



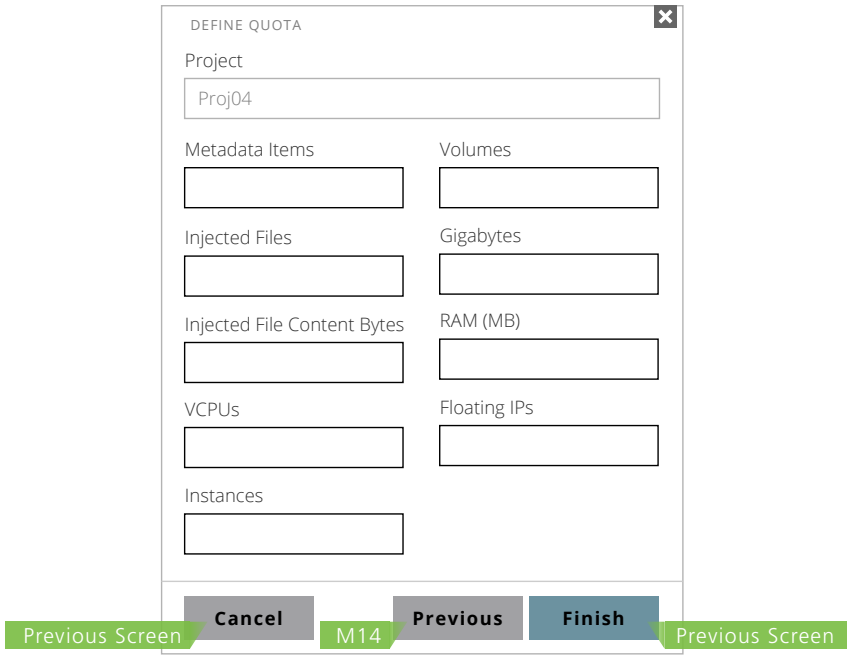
This screen is a modal screen and occurs on top of the previous screen.

M14.1 Edit Project Members



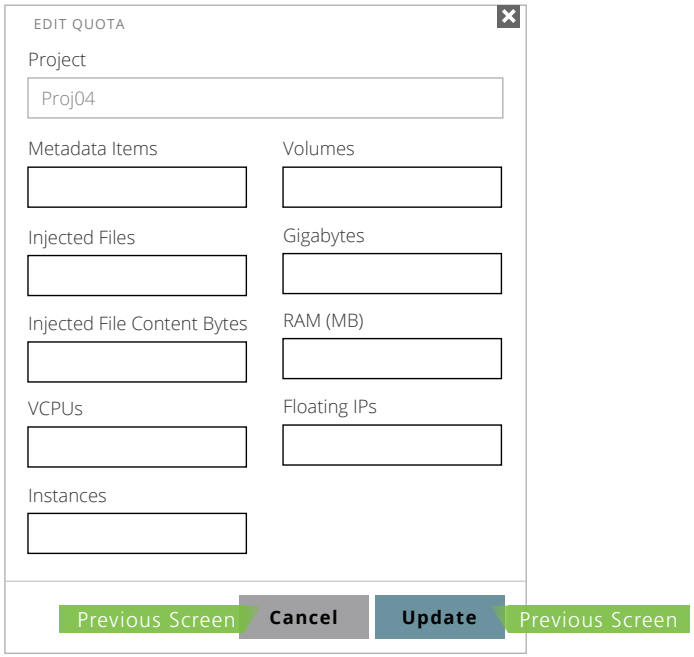
This screen is a modal screen and occurs on top of the previous screen.

M15 Define Quota



This screen is a modal screen and occurs on top of the previous screen.

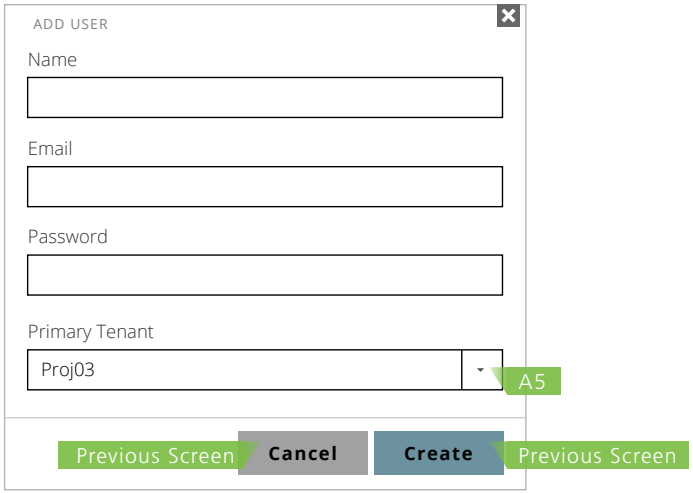
M15.1 Edit Quota



This screen is a modal screen and occurs on top of the previous screen.

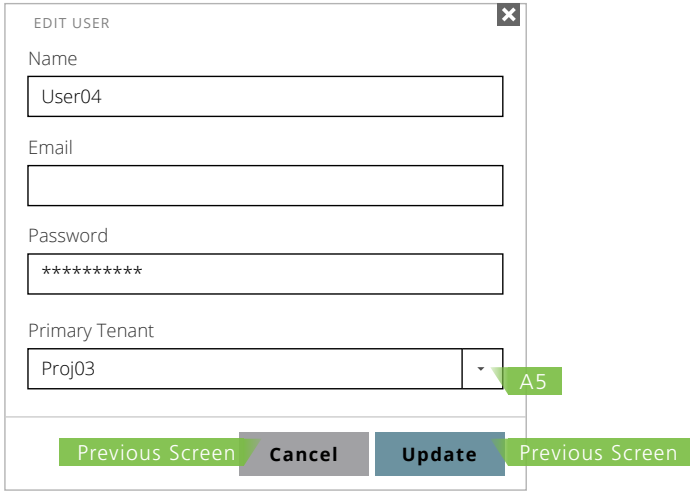
The Project field is not editable.

M16 Add User



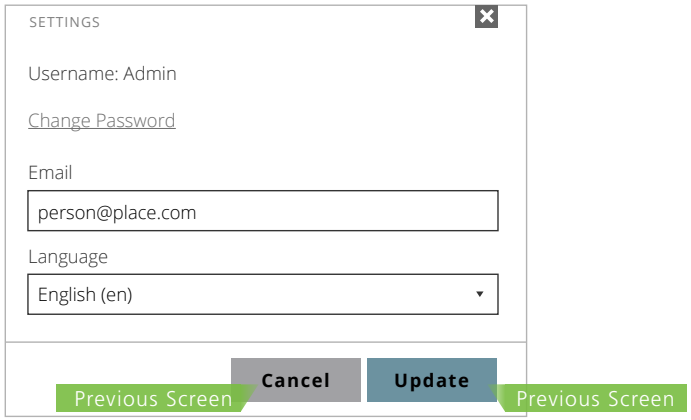
This screen is a modal screen and occurs on top of the previous screen.

M16.1 Edit User



This screen is a modal screen and occurs on top of the previous screen.

M17 Settings



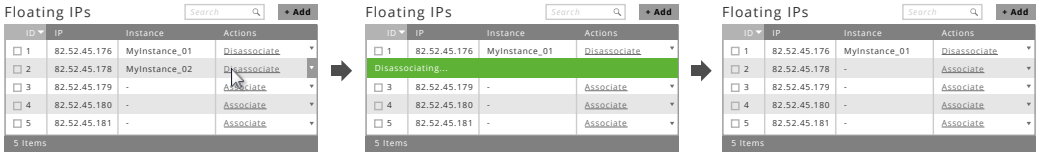
This screen is a modal screen and occurs on top of the previous screen.

APPENDIX

A1 Table Actions

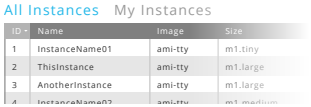
FLASH STATUSES

Flash statuses are shown inline after some actions begin. These statuses animate out after a certain period of time.



HEADER TABS

Some headers use tabs to select the content to be displayed in the table. Header Tabs should be used instead of Header Dropdowns whenever possible.

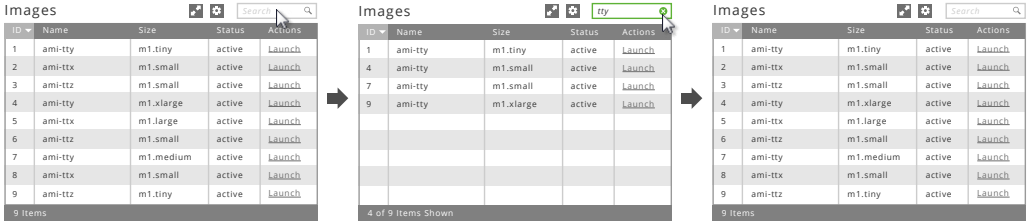


HEADER DROPDOWN

Some headers support dropdown functionality to toggle the content displayed in the table. The Header Dropdown should be used instead of Header Tabs in cases in which the values are dynamically generated or exceed the available space within the header.

SEARCH

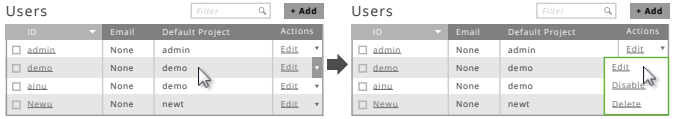
Searching temporarily removes rows in which no value matches the current search value. Selecting the delete button in the search field wipes the search value and shows all rows.



A2 Table Actions (Continued)

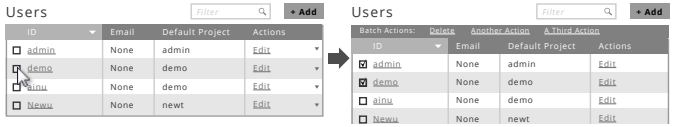
ACTIONS

If only one action exists for an item, it is displayed as a command in the Actions column. If more than one action exists for an item, the most-used action is shown as a command and the rest appear in a More Menu in the Actions column.



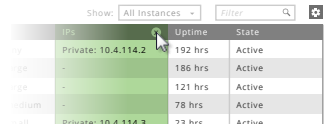
BATCH ACTIONS

When a checkbox is checked, the Batch Actions bar appears, displaying any actions that may be taken on the selected item/items. If no actions can be applied to the selected item/items, the Batch Actions bar instead shows, "No actions can be taken on the selected items." Performing a non-destructive action (e.g. disable) maintains selection. Performing a destructive action (e.g. delete) removes the Batch Action bar as no items will remain selected.



REMOVE COLUMN

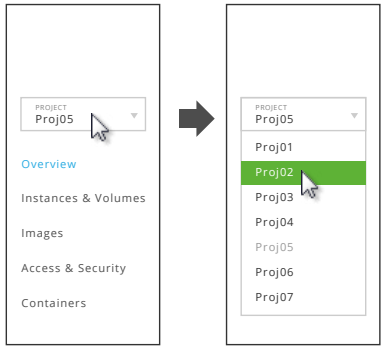
Selection of the 'X' button in a column header hides that column. Column visibility can be toggled in the M2 Table Options modal. Required columns do not show the 'X' button as they cannot be hidden.



A3 Navigation Bar

PROJECT DROPDOWN

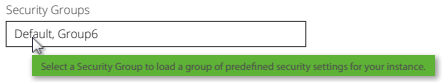
Displays a list of all projects for which the current user is a member. Selection of a project navigates a user to screen P2 for that project.

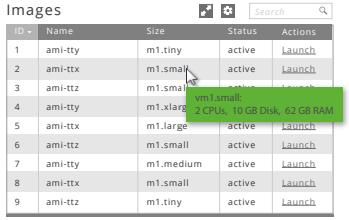


A4 Contextual Help

CONTEXTUAL HELP

After hovering on a field or table item for one second, a tooltip appears describing that field or table item. This description may at times simply provide deeper information, such as describing the numbers associated with a size template.

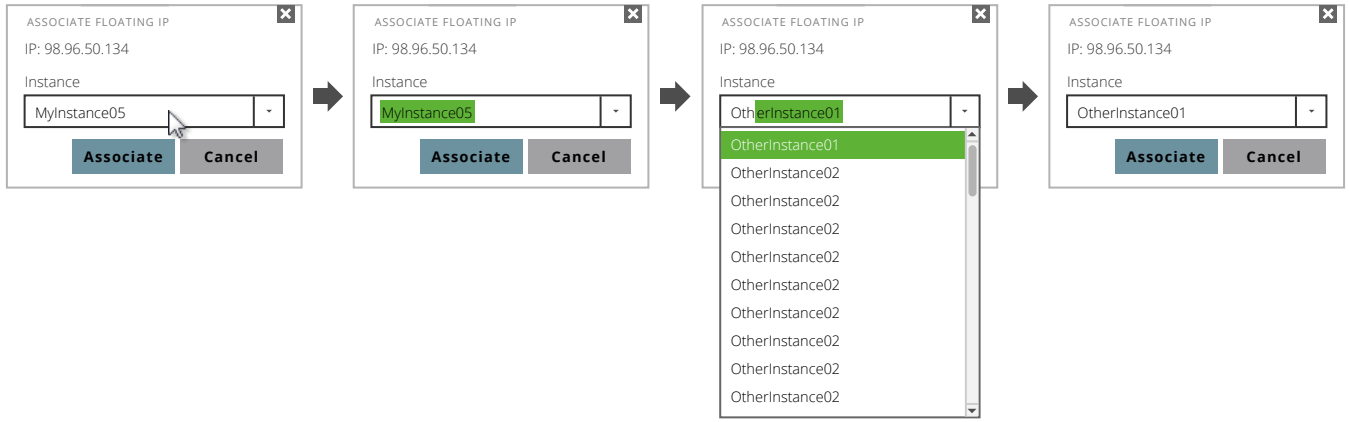




A5 Long List Selection Controls

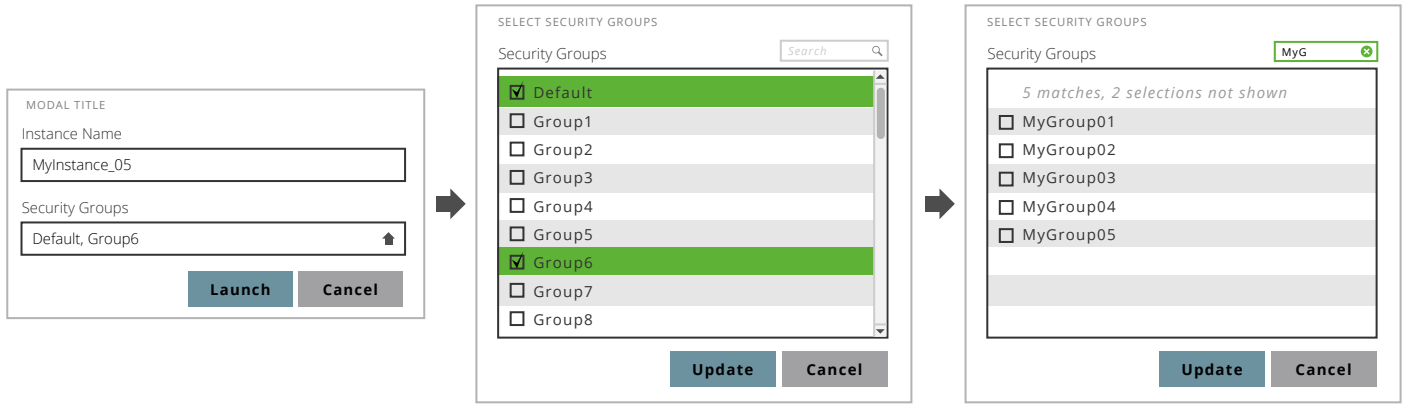
SINGLE SELECTION LONG LIST

The Single Selection Long List control behaves like a combo box. Clicking on the right portion of the field (the dropdown arrow) functions like a normal dropdown menu. Clicking the left portion of the field selects all text in the control – entering text selects the closest value and performs an autocomplete on the typed characters.



MULTIPLE SELECTION LONG LIST

The Multiple Selection Long List control uses a field to display the currently selected values. Selecting this control launches a modal containing a long list (with already selected values pre-selected) and a search field. Clicking an item selects/deselects that item. Entering characters in the search field filters the list. While list is being filtered, the top row is used to display the number of search results and the number of hidden selected values.



Change History

10.12.2011

Updated document structure.

Added Legend and Change History.

10.13.2011

Added M5.2 to allow for multiple security groups to be selected.

Added Import option to User Data field in M5.

Added A4, Contextual Help.

Added table sorting.

Added P3.1, updated M5 to complete multiple instance creation flow.

Created M9.

Updated callouts to match new numbering.

10.14.2011

Degrayed column names for M3.

Added extra detail about which Settings screen is shown for P7 and P7.1.

Removed Default Project selection to P7 and P7.1.

Added Language Selection for P7 and P7.1 (pulled from jeffjapan).

Marked P6 and P6.1 as incomplete.

Added "Use Last Instance Values" to M5.

Added notes 3 and 4 to M5.

10.17.2011

Added template field and an example to M7.1.

Added overflow examples for the Optional Columns panel in M8.

10.20.2011

Added description of floating Batch Actions to A2.

Combined Images and Snpashots in P4.

Modals updated with top-right close button.

10.31.2011

Updated all signed in statuses to, "Signed in as..."

Added "Usage" to all statistic titles on P2.

Updated statistics on P2 to describe usage more clearly.

Updated statistics on M5 to describe usage more clearly.

Updated represenation of additional actions, as detailed in A2.

Updated position of confirmation/cancellation buttons for M5, M7, and M7.2.

11.10.2011

Aligning all visuals and wireframes. This includes updating More Action chevrons.

11.14.2011

"Instances" changed to "Instance" for P3 and P3.1.

11.18.2011

Updated S6 with new interaction model.

Created M1:D9, M2:D5 and M2:D6.

Updated all M1 modals to confirm with the name of the action (e.g. "Delete").

Updated M4 with "Upload" instead of "Add."

Corrected M4 callout on M4.1.

11.29.2011

Header Tabs description added to A1.

Header Dropdown description altered on A1.

Header Tabs used instead of Header Dropdowns for P3, P3.1 and P4.

Console columns removed from P3 and P3.1; "View" becomes the promoted action.

12.01.2011

Refined batch action behavior on A2.

Added Source field and description to M7.1

12.02.2011

Added M9.1.

Updated P3 with Associate IP action.

Viewing and editing Security Groups has been updated. P5.1 added, callouts on P5 updated, M7 & M7.1 are now simple modals, and M7.2 & M7.3 enable creating and editing rules.

01.06.2012

Added P8, Server Error screen.

01.25.2012

Added System Dashboard section.

Added M10-M16.

Added A5.

Changed M4 to a Generic Upload screen. Updated P6 to reference M4:D1. M4.1 now references the TITLE used in M4.

01.25.2012

P1, P1.1, P7, P7.1 and P8 are now referenced by the Project and System dashboards.

03.17.2012

Added System screens and modals.

Settings is now a modal.

M5 Launch Instances modal now uses screen tabs.

Updated modal template to separate confirmation/cancellation buttons.

Updated positioning of error text in M2.

M4 now follows same pattern as other modals (no inset cancel button).

M6 shows quota/instructions on left.

Added footers to tables.

03.17.2012 CONTINUED

Updated all modals with cancellation on left.

Filter fields changed to Search fields.

Added batch checkboxes to objects table and rules table.

Single Selection Long List is now a combo box; updated in A5.

Dashboard dropdown added to all Project and System screens.