Wireframes for ACS Port Forwarding with Track Changes

Version 4.0

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1. Initial Screen

Typical port forwarding screen showing rules that

the are presently set on the device.





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Port Forwarding

Add New Rule

Enable Port Forwarding Rules Public Port Private Port Protocol Remote IP X \vee 8085 8085 Both 102.235.32.21 \vee 119 119 Both 102.235.32.22 \vee ×







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Port Forwarding

Enable Port Forwarding Rules Public Port Private Port Protocol Remote IP × \vee 8085 8085 Both 102.235.32.21 \vee 119 119 Both 102.235.32.22 × Both Add New Rule \ TCP UDP

2. Protocol Selection

The user toggles the Protocol selector for an individual rule.







3. Protocol Edit Highlighted

in yellow.

When the user changes the option it is highlighted

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Port Forwarding

Add New Rule

Enable Port Forwarding Rules Public Port Private Port Protocol Remote IP Both X 102.235.32.21 \vee 8085 8085 TCP 119 119 102.235.32.22 \vee \vee ×



4. Deletion of a Rule

is marked for deletion.

If the user clicks the [x] related to a rule, the rule

It is highlighted in yellow to indicate a change, and

values are struck through to idicate that they will be removed from the device upon next sync.





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Port Forwarding

Add New Rule

Enable Port Forwarding



Rules

Public Port	Private Port	Protocol	Remote IP	
8085—	-8085 —	-Both	102.235.32.21	2
119	119	TCP	102.235.32.22	×









5. Rule Selection Templates Based on Application

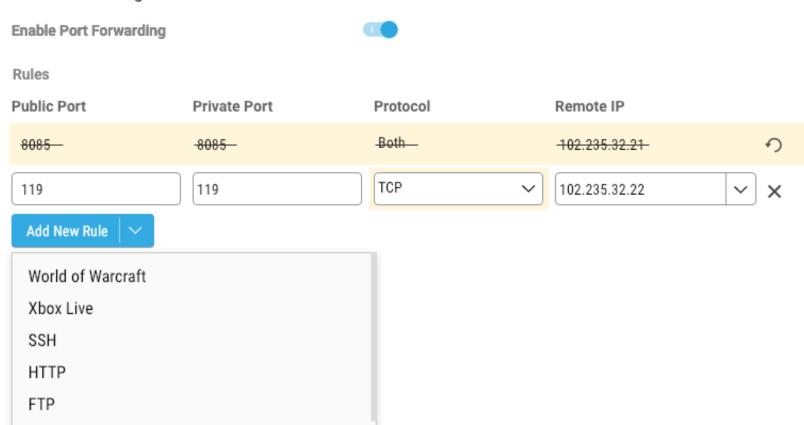
If the user clicks the arrow portion of the Add New Rule button, they are presented with options for

common port and protocol combinations.

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6. Template-based New Rule Added

list.

The new rule with the templated values

appropriate for the application is added to the rule

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Port Forwarding

Enable Port Forwarding



Rules

Public Port	Private Port	Protocol	Remote IP	
8085 —	-8085	-Both	102.235.32.21	9
119	119	TCP	102.235.32.22	×
22	22	TCP ~		×

Add New Rule 💙



102.235.202.4





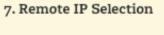
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Port Forwarding

Hub > Devices > CSR Dashboard > Device Service

Enable Port Forwarding Rules Public Port Private Port Protocol Remote IP Both_ 9 8085-102.235.32.21 8085-TCP \vee 119 119 102.235.32.22 × \vee TCP \vee × 22 22 \vee Robson Add New Rule 102.235.32.7 Barclay 102.235.32.20 Gilford 102.235.32.11 Pendrell



The Remote IP select is prepopulated with values to help prevent typing errors while enterring IP addresses.







8. Remote IP Selection and Save

system.

The selected Remote IP is added to the rule.

Save is clicked and the change is submitted to the

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Port Forwarding

Enable Port Forwarding



Rules

Public Port	Private Port	Protocol	Remote IP	
8085 —	-8085 —	-Both	-102.235.32.21-	2
119	119	TCP	102.235.32.22	×
22	22	Both	102.235.32.20	×





Domoto ID





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 $\stackrel{\longrightarrow}{\leftarrow}$

You are viewing pending changes. Settings which differ from those on the device are highlighted.

Cancel pending changes and edit

Port Forwarding

Enable Port Forwarding

True

Protocol

Rules

Dublic Port

Public Port	Private Port	Protocol	Remote IP
8085	8085-	Both-	102.235.32.21
119	119	TCP	102.235.32.22
22	2200	Both	102.235.32.20

9. Pending Change State

The screen is updated to indicate that the changes have been submitted but are not yet on the device.

The differences between what is presently on the device and what is pending are visible in the list of rules.

This allows the administrator (or others) to get an at-a-glance sense of how both the device and system are currently configured.

The user clicks "Cancel pending changes and edit".



Drivate Port





The device change has been cancelled. You can edit and save or revert to current device settings.

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Port Forwarding

Enable Port Forwarding

Add New Rule

Rules

Public Port	Private Port	Protocol	Remote IP
8085	8085	Both	102.235.32.21
22	2200	Both ~	102.235.32.20
119	119	TCP	102.235.32.22

10. Pending Cancelled

Cancelling the pending changes removes the system operation. The changes will no longer be pushed to the device.

The changes that the user was proposing are shwon in the even that the user would like to make some edits for resubmission (saving).

These changes are lost if the user navigates from this page, and they page will then reflect devices settings (as they are in sync).







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Device synchronization has failed: The public port 119 is not valid.

You may wish to edit and resubmit device changes. Settings which differ from those on the device are highlighted.

Dismiss notice and edit

11. Error State

In the error state the proposed changes continue to be highlighted, but will not be (or could not be) synced to the device.

User clicks "Dismiss notice and edit".

Port Forwarding

Enable Port Forwarding	True
------------------------	------

Rules

Public Port	Private Port	Protocol	Remote IP
8085	8085	-Both	102.235.32.21
22	2200	Both	102.235.32.20
119	119	TCP	102.235.32.22





12. Dismissal of Notice Post-Error

settings (as they are in sync).

with edits.

Dismissing the error allows the user to continue

Changes are lost if the user navigates from this

page, and the page will then reflect devices

The device change has been cancelled. You can edit and save or revert to current device settings.

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Port Forwarding

Enable Port Forwarding



Rules

Public Port	Private Port	Protocol	Remote IP	
8085	8085	Both	102.235.32.21	2
22	2200	Both	102.235.32.20	×
119	119	TCP	102.235.32.22	×

Add New Rule | ~







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Connection request rejected. Synchronization will be attempted later.

You may wish to edit and resubmit device changes. Settings which differ from those on the device are highlighted.

Cancel pending changes and edit

13. Connection Warning

Shown if the system is unable to connect with the device.

Port Forwarding

Enable Port Forwarding	True
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Rules

Public Port	Private Port	Protocol	Remote IP
8085	8085	-Both	102.235.32.21
22	2200	Both	102.235.32.20
119	119	TCP	102.235.32.22





14. Cancelling After Connection Request

the user to continue with edits.

settings (as they are in sync).

Dismissing the connection request notice allows

Changes are lost if the user navigates from this page, and the page will then reflect devices

The device change has been cancelled. You can edit and save or revert to current device settings.

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Port Forwarding

Enable Port Forwarding



Rules

Public Port	Private Port	Protocol	Remote IP	
8085	8085	Both	102.235.32.21	9
22	2200	Both	102.235.32.20	×
119	119	TCP ~	102.235.32.22	×



