FaxFinder® Web Services API

FF240-IP, FF240, FF440, FF840 Developer Guide

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FF240, FF440, FF840, FF240-IP

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General Information

This document illustrates the HTTP/XML communication between the FaxFinder Web Service (FFWS) and a client. FFWS provides an interface to FFx40 and FF240-IP FaxFinders for client applications. Client applications can use FFWS for sending faxes, managing contacts and monitoring fax status.

Authorization

All request requiring authorization must have the Authorization header set using Basic authentication. If this is not set or the username or password are incorrect then "401 Unauthorized" is returned. See RFC 2617 for implementation

HTTPS

The server supports HTTPS. Secure requests can be sent to the default HTTPS port 443.

Examples

Examples included in this document are also available through the Multi-Tech System Developer Resources website at multitech.net. This site includes a developer forum.

Additional Information

For more information about these functions, consult your FaxFinder Administrator Guide or Help File.

Faxing

Scheduling a Fax

An application can schedule a fax by posting the schedule fax XML to the ofax resource. If the fax is scheduled successfully, a response is returned with the scheduled entries.

Notes:

- Place each file that you want to attach as fax pages in an attachment element.
- Inline attachments are attachments with the file contents inserted in the content tag.
- Use base64 to encode inline attachments.
- Unless the file basename is not unique among the attachments, the attachment name can usually be set to the file basename.
- The name is used primarily for error responses, so if you want to know which attachment failed, make this field unique.

Set the attachment content type to match the type of the file being transferred. For Example, if attaching a PDF, set the content type to "application/pdf". FaxFinder uses content type to convert the file into fax pages. It does not attempt to guess the content type.

Limits	Request size: 36MB	
	Maximum Recipients per Fax: 400	
Query Parameters	None	
HTTP Request Line	POST /ffws/v1/ofax HTTP/1.1	
HTTP Response Status Codes	201 Created	The fax has been created successfully.
	400 Bad Request	Invalid request. The fax has not been scheduled. The response message may provide more details.

Example

```
1    POST /ffws/v1/ofax HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <schedule_fax>
6        <cover_page>
7            <url>https://192.168.2.1/ffws/v1/data/cover_pages/default.pdf</url>
8            <enabled>true</enabled>
9            <subject>Test Subject</subject>
10           <comments>Test Message</comments>
11       </cover_page>
12       <sender>
13           <name>Sender Name</name>
14           <organization>Sender Org</organization>
15           <phone_number>218-555-3333</phone_number>
16           <fax_number>218-555-3334</fax_number>
17            <email_address>sender@Example.com</email_address>
18       </sender>
19       <recipient>
20           <name>Rcpt 1 Name</name>
21           <organization>Rcpt 1 Org</organization>
22           <fax_number>-218-555-3335</fax_number>
```

```
23          <phone_number>218-555-3336</phone_number>
24      </recipient>
25      <attachment>
26          <location>inline</location>
27          <name>attachment1.txt</name>
28          <content_type>text/plain</content_type>
29          <content_transfer_encoding>base64</content_transfer_encoding>
30          <content>dGVzdA==</content>
31      </attachment>
32      <max_tries>3</max_tries>
33      <priority>3</priority>
34      <try_interval>30</try_interval>
35      <receipt>failure</receipt>
36      <receipt_attachment>none</receipt_attachment>
37      <schedule_all_at>2008-08-07T20:30:00</schedule_all_at>
38  </schedule_fax>
39  ---------------------------------
40  HTTP/1.1 201 Created
41  content-type: application/xml
42
43  <?xml version="1.0" encoding="UTF-8"?>
44  <response>
45      <message>Success</message>
46      <fax_entry>
47          <fax_entry_url>https://192.168.2.1/ffws/v1/ofax/0000001B/0000</fax_entry_url>
48          <fax_url>https://192.168.2.1/ffws/v1/ofax/0000001B</fax_url>
49          <state>preprocessing</state>
50          <schedule_message>New fax entry</schedule_message>
51          <created>2008-08-01 08:43:29</created>
52          <stime>2008-08-01 08:52:29</stime>
53          <try_number>1</try_number>
54          <agent>FFWS</agent>
55          <preview>https://192.168.2.1/ffws/v1/data/preview/0000001B-0000.pdf</preview>
56          <cover_page>
57              <url>https://192.168.2.1/ffws/v1/data/cover_pages/default.pdf</url>
58              <enabled>true</enabled>
59              <subject>Test Subject</subject>
60              <comments>Test Message</comments>
61          </cover_page>
62          <sender>
63              <username>admin</username>
64              <name>Sender Name</name>
65              <organization>Sender Org</organization>
66              <phone_number>218-555-3333</phone_number>
67              <fax_number>218-555-3334</fax_number>
68              <email_address>sender@Example.com</email_address>
69          </sender>
70          <recipient>
71              <name>Rcpt 1 Name</name>
72              <organization>Rcpt 1 Org</organization>
73              <fax_number>218-555-3335</fax_number>
74              <phone_number>218-555-3336</phone_number>
75          </recipient>
76          <max_tries>3</max_tries>
77          <priority>3</priority>
78          <try_interval>30</try_interval>
79          <receipt>failure</receipt>
80          <receipt_attachment>none</receipt_attachment>
81          <pages>0</pages>
82          <approver></approver>
```

83	`<approval_time></approval_time>`
84	`</fax_entry>`
85	`</response>`

Viewing Fax Entries

Query Parameters	**all_users=true|false**
	An Admin level user can set this option to query all users instead of just faxes belonging to the authenticated user.
	complete_limit=LIMIT
	Limit the number of completed faxes returned in a general query (/ffws/v1/ofax) to LIMIT. By default the limit is 10. Faxes displayed in the completed list are (pre)viewable and reschedulable.
	class=pending|sending|complete
	Retrieve faxes by class.
	include_modem_info=true|false
	Include modem level information in the response (init_time, connect_time, ...). Requesting this information increases the response size. Modem information only exists after the modem has completed at least one full attempt.
HTTP Request Line	GET /ffws/v1/ofax HTTP/1.1
	GET /ffws/v1/ofax/FAXKEY HTTP/1.1
	GET /ffws/v1/ofax/FAXKEY/ENTRYKEY HTTP/1.1
HTTP Response Status Codes	200 OK Shows the fax entries.

Example

1	GET /ffws/v1/ofax HTTP/1.1
2	content-type: application/xml
3	authorization: Basic YWRtaW46YWRtaW4=
4	----------------------------------
5	HTTP/1.1 200 OK
6	content-type: application/xml
7	`<?xml version="1.0" encoding="UTF-8"?>`
8	`<response>`
9	`<message>`Success`</message>`
10	`<fax_entry>`
11	`<fax_entry_url>`https://192.168.2.1/ffws/v1/ofax/0000001B/0000`</fax_entry_url>`
12	`<fax_url>`https://192.168.2.1/ffws/v1/ofax/0000001B`</fax_url>`
13	`<state>`aborted`</state>`
14	`<schedule_message>`Fax aborted by user`</schedule_message>`
15	`<created>`2008-08-01 08:43:29`</created>`
16	`<stime>`2008-08-01 08:52:29`</stime>`
17	`<try_number>`1`</try_number>`
18	`<agent>`FFWS`</agent>`
19	`<preview>`https://192.168.2.1/ffws/v1/data/preview/0000001B-0000.pdf`</preview>`
20	`<cover_page>`
21	`<url>`https://192.168.2.1/ffws/v1/data/cover_pages/default.pdf`</url>`
22	`<enabled>`true`</enabled>`
23	`<subject>`Test Subject`</subject>`

```
24              <comments>Test Message</comments>
25          </cover_page>
26          <sender>
27              <username>admin</username>
28              <name>Sender Name</name>
29              <organization>Sender Org</organization>
30              <phone_number>218-555-3333</phone_number>
31              <fax_number>-218-555-3334</fax_number>
32              <email_address>sender@Example.com</email_address>
33          </sender>
34          <recipient>
35              <name>Rcpt 1 Name</name>
36              <organization>Rcpt 1 Org</organization>
37              <fax_number>218-555-3335</fax_number>
38              <phone_number>218-555-3336</phone_number>
39          </recipient>
40          <max_tries>3</max_tries>
41          <priority>3</priority>
42          <try_interval>30</try_interval>
43          <receipt>failure</receipt>
44          <receipt_attachment>none</receipt_attachment>
45          <pages>1</pages>
46          </fax_entry>
        </response>
```

Aborting a Fax Entry

HTTP Request Line	DELETE /ffws/v1/ofax/FAXKEY HTTP/1.1	
	DELETE /ffws/v1/ofax/FAXKEY/ENTRYKEY HTTP/1.1	
HTTP Response Status Codes	202 Accepted	An abort has been sent. The fax entry will be aborted if possible.
	400 Bad Request	The fax specified could not be aborted. The user may not be the owner of the fax or the fax could not be found.

Example

```
1   DELETE /ffws/v1/ofax/0000001B/0000 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ----------------------------------
5   HTTP/1.1 202 Accepted
6   content-type: application/xml
```

Rescheduling a Fax Entry

Query Parameters	at=TIME TIME := now | DATETIME_UTC_URLENCODED DATETIME_UTC_URLENCODED := YYYY-MM-DDTHH%3AMM%3ASS	
HTTP Request Line	PUT /ffws/v1/ofax/FAXKEY/ENTRYKEY?at=TIME HTTP/1.1	
HTTP Response Status Codes	202 Accepted	Attempting to reschedule faxes. There is no guarantee that all entries will be rescheduled. For instance, entries that are sending when the reschedule is received will not be rescheduled.
	400 Bad Request	The fax specified could not be rescheduled. The user may not be the owner of the fax or the fax could not be found

Example

1	PUT /ffws/v1/ofax/0000001B/0000?at=2008-08-09T22%3A30%3A00 HTTP/1.1
2	content-type: application/xml
3	authorization: Basic YWRtaW46YWRtaW4=
4	---------------------------------
5	HTTP/1.1 202 Accepted
6	content-type: application/xml

User Functions

Viewing User Information

HTTP Request Line	GET /ffws/v1/users/USERNAME HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows user information.
	403 Forbidden	Authenticated user does not have permission to view data associated with username.
	404 Not Found	No user found with that username.

Example

```
1    GET /ffws/v1/users/admin HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <user>
11         <user_url>https://dot3/ffws/v1/users/admin</user_url>
12         <name>Administrator</name>
13         <username>admin</username>
14         <email_address>cla@mts.test</email_address>
15         <phone_number>1234</phone_number>
16         <fax_number>2345</fax_number>
17         <organization>MTS</organization>
18         <default_cover_page_enabled>true</default_cover_page_enabled>
19         <default_cover_page_name>mts_template3.pdf</default_cover_page_name>
20         <priority>3</priority>
21         <max_attempts>3</max_attempts>
22         <interval>300</interval>
23         <receipt>failure</receipt>
24         <receipt_attachment>pdf</receipt_attachment>
25       </user>
26    </response>
```

Verify User

Authenticates the user and then simply returns 200 OK.

HTTP Request Line	GET /ffws/v1/verify HTTP/1.1	
HTTP Response Status Codes	200 OK	Verified

Example

```
1    GET /ffws/v1/verify HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Verified</message>
10   </response>
```

Adding a User

HTTP Request Line	POST /ffws/v1/users HTTP/1.1	
HTTP Response Status Codes	200 OK	Created user.
	403 Forbidden	Authenticated user does not have permission to change data associated with username.
	400 Bad Request	The provided XML is not valid.

Example

```
1    POST /ffws/v1/users HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <user>
6        <name>New User 1</name>
7        <username>user1</username>
8        <password>user1</password>
9        <email_address>admin@Example.com</email_address>
10       <phone_number>218-555-3333</phone_number>
11       <fax_number>218-555-3334</fax_number>
12       <organization>Example Org</organization>
13       <priority>1</priority>
14       <max_attempts>2</max_attempts>
15       <interval>600</interval>
16       <receipt>never</receipt>
17       <receipt_attachment>none</receipt_attachment>
18   </user>
19   ---------------------------------
20   <?xml version="1.0" encoding="UTF-8"?>
21   <response>
22       <message>Created</message>
23       <user>
24           <user_url>https://172.16.0.3/ffws/v1/users/user1</user_url>
25           <name>New User 1</name>
26           <username>user1</username>
27           <email_address>admin@Example.com</email_address>
28           <phone_number>218-555-3333</phone_number>
29           <fax_number>218-555-3334</fax_number>
30           <organization>Example Org</organization>
31           <default_cover_page_enabled>false</default_cover_page_enabled>
32           <default_cover_page_name></default_cover_page_name>
33           <priority>1</priority>
```

```
34        <max_attempts>2</max_attempts>
35        <interval>600</interval>
36        <receipt>never</receipt>
37        <receipt_attachment>none</receipt_attachment>
38    </user>
39  </response>
```

Editing a User

HTTP Request Line	PUT /ffws/v1/users/USERNAME HTTP/1.1	
HTTP Response Status Codes	200 OK	Modified successfully.
	403 Forbidden	Authenticated user does not have permission to change data.
	404 Not Found	User not found.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/users/USERNAME HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5   <user>
6       <name>Edit User</name>
7       <username>user1</username>
8       <password>user1</password>
9       <email_address>admin@Example.com</email_address>
10      <phone_number>218-555-3333</phone_number>
11      <fax_number>218-555-3334</fax_number>
12      <organization>Example Org</organization>
13      <priority>1</priority>
14      <max_attempts>2</max_attempts>
15      <interval>600</interval>
16      <receipt>never</receipt>
17      <receipt_attachment>none</receipt_attachment>
    </user>
    ----------------------------------
    HTTP/1.1 200 OK
    content-type: application/xml
    <?xml version="1.0" encoding="UTF-8"?>
    <response>
        <message>Modified</message>
    </response>
```

Contact and Group Functions

Viewing Contacts

Query Parameters	**limit=LIMIT** Limit the number of results to LIMIT. **offset=OFFSET** Skip OFFSET entries from the start. Only valid when limit is specified. **name=SUBSTR** **fax_number=SUBSTR** **phone_number=SUBSTR** **organization=SUBSTR** Search for contacts by field name. If you specify more than one, they are concatenated with AND. **order=field name** Sort contacts by field name. Not available for FFx30 models.	
HTTP Request Line	GET /ffws/v1/contacts/USERNAME HTTP/1.1 GET /ffws/v1/contacts/USERNAME/ID HTTP/1.1 GET /ffws/v1/contacts/global_contact_list HTTP/1.1 GET /ffws/v1/contacts/global_contact_list/ID HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows contact information.
	403 Forbidden	Authenticated user does not have permission to view data associated with username.
	404 Not Found	No user found with that username.

Example

```
1    GET /ffws/v1/contacts/admin HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <contact>
11           <contact_url>https://192.168.2.1/ffws/v1/contacts/admin/3</contact_url>
12           <name>Contact Name</name>
13           <fax_number>218-555-3335</fax_number>
14           <phone_number>218-555-3336</phone_number>
15           <organization>Contacts Org</organization>
16       </contact>
17   </response>
```

Adding New Contacts

HTTP Request Line	POST /ffws/v1/contacts/USERNAME HTTP/1.1	
HTTP Response Status Codes	200 OK	Created
	403 Forbidden	Authenticated user does not have permission to change data associated with username.
	404 Not Found	No user found with that username.
	400 Bad Request	The provided XML is not valid.

Example

```
1   POST /ffws/v1/contacts/admin HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5   <contact>
6       <name>Test Contact</name>
7       <fax_number>218-555-3335</fax_number>
8       <phone_number>218-555-3336</phone_number>
9       <organization>Some org</organization>
10  </contact>
11  ---------------------------------
12  HTTP/1.1 200 OK
13  content-type: application/xml
14  <?xml version="1.0" encoding="UTF-8"?>
15  <response>
16      <message>Created</message>
17      <contact>
18          <contact_url>https://192.168.2.1/ffws/v1/contacts/admin/6</contact_url>
19          <name>Test Contact</name>
20          <fax_number>218-555-3335</fax_number>
21          <phone_number>218-555-3336</phone_number>
22          <organization>Some org</organization>
23      </contact>
24  </response>
```

Editing Contacts

HTTP Request Line	PUT /ffws/v1/contacts/USERNAME/id HTTP/1.1	
HTTP Response Status Codes	200 OK	Modified successfully.
	403 Forbidden	Authenticated user does not have permission to change data.
	404 Not Found	Contact not found.
	400 Bad Request	The provided XML is not valid.

Example

```
1    PUT /ffws/v1/contacts/admin/6 HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <contact>
6        <name> Change name </name>
7        <fax_number>218-555-3335</fax_number>
8        <phone_number>218-555-3336</phone_number>
9        <organization>Some org</organization>
10   </contact>
11   ----------------------------------
12   HTTP/1.1 200 OK
13   content-type: application/xml
14   <?xml version="1.0" encoding="UTF-8"?>
15   <response>
16       <message>Modified</message>
17   </response>
```

Deleting Contacts

HTTP Request Line	DELETE /ffws/v1/contacts/USERNAME/id HTTP/1.1	
HTTP Response Status Codes	200 OK	Deleted
	403 Forbidden	Authenticated user does not have permission to change data.
	404 Not Found	Contact not found.

Example

```
1    DELETE /ffws/v1/contacts/admin/ 6 HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Deleted</message>
10   </response>
```

Viewing Contact IDs

HTTP Request Line	GET /ffws/v1/contact_oids/USERNAME HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows contact IDs.
	404 Not Found	Contact not found.

Example

1	GET /ffws/v1/contact_oids/admin HTTP/1.1
2	content-type: application/xml
3	authorization: Basic YWRtaW46YWRtaW4=
4	---------------------------------
5	HTTP/1.1 200 OK
6	content-type: application/xml
7	<?xml version="1.0" encoding="UTF-8"?>
8	<response>
9	<message>Success</message>
10	<oids>1,2,3,4,5,6,7,8,9,10,11,12,13,14,33,34,35</oids>
11	</response>

Viewing Groups

Query Parameters	**limit=LIMIT** Limit the number of results to LIMIT. **offset=OFFSET** Skip OFFSET entries from the start. Only valid when limit is specified. **name=SUBSTR** **description=SUBSTR** Search for groups by field name. If you specify more than one, they are concatenated with AND. **order=field name** Sort groups by field name. Not available for FFx30 models.
HTTP Request Line	GET /ffws/v1/contact_groups/USERNAME HTTP/1.1 GET /ffws/v1/contact_groups/global_contact_list HTTP/1.1
HTTP Response Status Codes	200 OK — Shows group information.
	403 Forbidden — Authenticated user does not have permission to view data associated with username.
	404 Not Found — No user found with that username.

Example

```
1   GET /ffws/v1/contact_groups/admin HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ---------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Success</message>
10      <contact_group>
11          <contact_group_url>https://172.16.128.5/ffws/v1/contact_groups/admin/4</contact_group_url>
12          <name>g one</name>
13          <description>g one</description>
14          <contact>https://172.16.128.5/ffws/v1/contacts/admin/1</contact>
15          <contact>https://172.16.128.5/ffws/v1/contacts/admin/2</contact>
16          <contact>https://172.16.128.5/ffws/v1/contacts/global_contact_list/3</contact>
17      </contact_group>
18      <contact_group>
19          <contact_group_url>https://172.16.128.5/ffws/v1/contact_groups/admin/6</contact_group_url>
20          <name>g two</name>
21          <description>g two org</description>
22          <contact>https://172.16.128.5/ffws/v1/contacts/admin/2</contact>
23          <contact>https://172.16.128.5/ffws/v1/contacts/global_contact_list/4</contact>
24      </contact_group>
25  </response>
```

Creating a New Group

HTTP Request Line	POST /ffws/v1/contact_groups/admin HTTP/1.1	
HTTP Response Status Codes	200 OK	Created new group.
	403 Forbidden	Authenticated user does not have permission to change data associated with username.
	400 Bad Request	The provided XML is not valid.

Example

```
1    POST /ffws/v1/contact_groups/admin HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <contact_group>
6        <name>New Group from API</name>
7        <description>Can I create one from the API</description>
8        <contact>https://dot3/ffws/v1/contacts/admin/23</contact>
9        <contact>https://dot3/ffws/v1/contacts/admin/24</contact>
10       <contact>https://dot3/ffws/v1/contacts/admin/25</contact>
11       <contact>https://dot3/ffws/v1/contacts/admin/26</contact>
12   </contact_group>
13   ---------------------
14   <?xml version="1.0" encoding="UTF-8"?>
15   <response>
16       <message>Created</message>
17       <contact_group>
18           <contact_group_url>https://dot3/ffws/v1/contact_groups/admin/14</contact_group_url>
19           <name>New Group from API</name>
20           <description>Can I create one from the API</description>
21           <contact>https://dot3/ffws/v1/contacts/admin/23</contact>
22           <contact>https://dot3/ffws/v1/contacts/admin/24</contact>
23           <contact>https://dot3/ffws/v1/contacts/admin/25</contact>
24           <contact>https://dot3/ffws/v1/contacts/admin/26</contact>
25       </contact_group>
26   </response>
```

Editing Groups

HTTP Request Line	PUT /ffws/v1/contact_groups/USERNAME/id HTTP/1.1	
HTTP Response Status Codes	200 OK	Modified successfully.
	403 Forbidden	Authenticated user does not have permission to change data associated with username.
	404 Not Found	No user found with that username.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/contact_groups/admin/6 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5   <contact_group>
6           <contact_group_url>https://172.16.128.5/ffws/v1/contact_groups/admin/4</contact_group_url>
7           <name>Change name</name>
8           <description>change description</description>
9           <contact>https://172.16.128.5/ffws/v1/contacts/admin/1</contact>
10          <contact>https://172.16.128.5/ffws/v1/contacts/admin/2</contact>
11          <contact>https://172.16.128.5/ffws/v1/contacts/global_contact_list/3</contact>
12  </contact_group>
13  ----------------------------------
14  HTTP/1.1 200 OK
15  content-type: application/xml
16  <?xml version="1.0" encoding="UTF-8"?>
17  <response>
18      <message>Modified</message>
19  </response>
```

Deleting Groups

HTTP Request Line	DELETE /ffws/v1/contact_groups/USERNAME/id HTTP/1.1	
HTTP Response Status Codes	200 OK	Deleted group.
	403 Forbidden	Authenticated user does not have permission to change data associated with username.
	404 Not Found	No group found with that username.

Example

```
1   DELETE /ffws/v1/contact_groups/admin/6 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ----------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Deleted</message>
10  </response>
```

Viewing Group IDs

HTTP Request Line	GET /ffws/v1/contact_group_oids/USERNAME HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows group IDs.
	404 Not Found	No group found for that username.

Example

```
1    GET /ffws/v1/contact_group_oids/admin HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <oids>1,2,3,4,5,6,7,8,9,10,11,12,13,14,33,34,35</oids>
11   </response>
```

Cover Page

Viewing Cover Pages

HTTP Request Line	GET /ffws/v1/data/cover_pages HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows cover pages.
	404 Not found	Cover pages not found.

Example

```
1    GET /ffws/v1/data/cover_pages HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <file>
11           <name>default.pdf</name>
12           <type>application/pdf</type>
13           <url>https://192.168.2.1/ffws/v1/data/cover_pages/default.pdf</url>
14       </file>
15       <file>
16           <name>multitech.pdf</name>
17           <type>application/pdf</type>
18           <url>https://192.168.2.1/ffws/v1/data/cover_pages/multitech.pdf</url>
19       </file>
20       <file>
21           <name>sample1.pdf</name>
22           <type>application/pdf</type>
23           <url>https://192.168.2.1/ffws/v1/data/cover_pages/sample1.pdf</url>
24       </file>
25       <file>
26           <name>sample2.pdf</name>
27           <type>application/pdf</type>
28           <url>https://192.168.2.1/ffws/v1/data/cover_pages/sample2.pdf</url>
29       </file>
30   </response>
```

Fax Status

Viewing Modem, Channel, System, Printer, and Share Status

HTTP Request Line	GET /ffws/v1/status HTTP/1.1	
	GET /ffws/v1/status/MODEM HTTP/1.1 (FF240, FF440, or FF840)	
	GET /ffws/v1/status/CHANNEL HTTP/1.1 (FF240-IP)	
	GET /ffws/v1/status/SYSTEM HTTP/1.1	
	GET /ffws/v1/status/PRINTER HTTP/1.1	
	GET /ffws/v1/status/SHARE HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows status information.
	400 Bad Request	The provided XML is not valid.

FF240, FF440, or FF840 Example

```
1    GET /ffws/v1/status HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9         <message>Success</message>
10        <status>
11         <modem>
12                <number_inbound></number_inbound>
13                <number_outbound></number_outbound>
14                <number_idle></number_idle>
15          </modem>
16          <system>
17                <uptime></uptime>
18                <current_time></current_time>
19                <time_server></time_server>
20          </system>
21          <printer>
22                <name></name>
23                <status></status>
24                <jobs></jobs>
25          </printer>
26          <network_share>
27                <share></share>
28                <status></status>
29          </network_share>
30        </status>
31    </response>
```

FF240-IP Example

```
1    GET /ffws/v1/status HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
```

```
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <status>
11           <channel>
12               <number_inbound></number_inbound>
13               <number_outbound></number_outbound>
14               <number_idle></number_idle>
15           </channel>
16           <system>
17               <uptime></uptime>
18               <current_time></current_time>
19               <time_server></time_server>
20           </system>
21           <printer>
22               <name></name>
23               <status></status>
24               <jobs></jobs>
25           </printer>
26           <network_share>
27               <share></share>
28               <status></status>
29           </network_share>
30       </status>
31   </response>
```

Viewing Channel Status (FF240-IP only)

HTTP Request Line	GET /ffws/v1/channel_status HTTP/1.1	
	GET /ffws/v1/channel_status/CHANNEL HTTP/1.1 (Where CHANNEL is the channel number)	
HTTP Response Status Codes	200 OK	Shows channel status.
	400 Bad Request	The provided XML is not valid.

Example

```
1    GET /ffws/v1/channel_status/1 HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <response>
6         <message>Success</message>
7        <channel_status>
8             <channel_number>1</channel_number>
9             <state>Waiting for Ring</state>
10            <pages_sent_recd>0</pages_sent_recd>
11            <baud_rate></baud_rate>
12            <fax_number></fax_number>
13            <ecm></ecm>
14            <line_encoding></line_encoding>
15            <resolution></resolution>
16            <remote_id></remote_id>
17            <modulation></modulation>
18        </channel_status>
19   </response>
```

Viewing Modem Status (FF240, FF440, FF840)

HTTP Request Line	GET /ffws/v1/modem_status HTTP/1.1
	GET /ffws/v1/modem_status/MODEM HTTP/1.1 (where MODEM is a number from 1-24 depending on FaxFinder model and if using an Expansion Module.)

HTTP Response Status Codes	200 OK	Shows modem status.
	400 Bad Request	The provided XML is not valid.

Example

```
1    GET /ffws/v1/modem_status/8 HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5        <response>
6         <message>Success</message>
7        <modem_status>
8             <modem_number>8</modem_number>
9             <state>Waiting For Ring</state>
10            <page>0</page>
11            <vertical_resolution></vertical_resolution>
12            <baud_rate></baud_rate>
13            <width></width>
14            <height></height>
15            <connect_time></connect_time>
16            <elasped_time></elasped_time>
17            <fax_number></fax_number>
18            <remote_id></remote_id>
19        </modem_status>
20   </response>
```

Viewing Inbound Fax Status

HTTP Request	GET /ffws/v1/inbound_status HTTP/1.1

Line		
HTTP Response Status Codes	200 OK	Shows status for currently inbound faxes.
	400 Bad Request	The provided XML is not valid.

FF240, FF440, or FF840 Example

```
1    GET /ffws/v1/inbound_status HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <response>
6        <message>Success</message>
7        <inbound_entry>
8            <state>Receiving</state>
9            <start_time></start_time>
10           <line_number></line_number>
11           <extension></extension>
12           <recipient></recipient>
13           <remote_id></remote_id>
14         <current_page></current_page>
15       </inbound_entry>
16   </response>
```

FF240-IP Example

```
1    GET /ffws/v1/inbound_status HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    <?xml version="1.0" encoding="UTF-8"?>
5    <response>
6        <message>Success</message>
7        <inbound_entry>
8            <state>Receiving</state>
9            <start_time></start_time>
10           <channel></channel>
11           <extension></extension>
12           <recipient></recipient>
13           <remote_id></remote_id>
14           <pages_recd></pages_recd >
15       </inbound_entry>
16   </response>
```

Viewing Outbound Fax Status

Query Parameters	**class=pending|sending (Default=pending and sending)**
	Limit outbound status listing to a set number of pending and sending faxes.
	pending_limit=PEND_LIMIT (Default=10)
	Use with class. Limits pending faxes to specified number. If pending_limit is not specified, class returns ten pending faxes.
	sending_limit=SEND_LIMIT (Default=10)

	Use with class. Limits sending faxes to specified number. If sending_limit is not specified, class returns ten sending faxes.	
HTTP Request Line	GET /ffws/v1/outbound_status HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows status for currently outbound faxes.
	404 Not Found	No current outbound faxes found.

Example

```
1    GET /ffws/v1/outbound_status HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <fax_entry>
11           <fax_entry_url>https://dot10/ffws/v1/ofax/00000109%2F0001</fax_entry_url>
12           <fax_url>https://dot10/ffws/v1/ofax/00000109</fax_url>
13           <state>sending</state>
14           <schedule_message></schedule_message>
15           <created>2013-07-16T21:25:17</created>
16           <stime>2013-07-16T21:25:30</stime>
17           <try_number>1</try_number>
18           <agent>WebClient</agent>
19       <!--To view the fax -->
20           <preview>https://dot10/ffws/v1/data/preview/00000109-0001.pdf</preview>
21           <cover_page>
22               <enabled>true</enabled>
23               <url>https://dot10/ffws/v1/data/cover_pages/mts_template3.pdf</url>
24               <subject>test</subject>
25               <comments>test faxes for outbound and inbound status</comments>
26           </cover_page>
27           <sender>
28               <username>admin</username>
29               <name>Administrator</name>
30               <organization></organization>
31               <phone_number>1234</phone_number>
32               <fax_number></fax_number>
33               <email_address>cla@mts.test</email_address>
34           </sender>
35           <recipient>
36               <name>Avaya and Back 2</name>
37               <organization></organization>
38               <fax_number>8102</fax_number>
39               <phone_number></phone_number>
40           </recipient>
41           <max_tries>1</max_tries>
42           <priority>3</priority>
43           <try_interval>300</try_interval>
44           <receipt>failure</receipt>
45           <receipt_attachment>pdf</receipt_attachment>
46           <pages>2</pages>
47           <approver>_SYSTEM_</approver>
48           <approval_time>2013-07-16T21:25:24</approval_time>
49       </fax_entry>
50   </response>
```

Logs

Viewing Inbound Fax Logs

Query Parameters	**limit=LIMIT** Limit the number of results to LIMIT. **index=INDEX (Must be used with limit)** Index indicates where to start reading the data in the database. Use to page through data. **include_call_info=true|false** Set to true to include call details. Requesting this information increases the response size.	
HTTP Request Line	GET /ffws/v1/inbound_log HTTP/1.1 GET /ffws/v1/inbound_log/FAXKEY HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows inbound fax log.
	400 Bad Request	The provided XML is not valid.

Example

```
1    GET /ffws/v1/inbound_log HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <inbound_fax_entry>
11           <filename>fax_inbound_20131023_135211_recv0000.tif</filename>
12           <status>complete</status>
13           <complete_time>07/24/2013 09:50:18 PM</complete_time>
14           <remote_id>POTS modem - 5739</remote_id>
15           <pages>1</pages>
16           <extension></extension>
17           <recipient_name>Line 2</recipient_name>
18           <channel>2<channel> OR <modem>2</modem>
19           <delivered_to>
20               <type>Email</type>
21               <destination>cla@mts.test</destination>
22           </delivered_to>
23           <delivered_to>
24               <type>Email</type>
25               <destination>sdfa@sdf.com</destination>
26           </delivered_to>
27           <delivery_error>  (Only if there were errors)
28               <error></error>
29           </delivery_error>
30               <call_entry>
31                   <modem_number>2</modem_number>
```

```
32              <status>pass</status>
33              <remote_id>POTS modem - 5739</remote_id>
34              <size>24298</size>
35              <pages>1</pages>
36              <resolution>Fine</resolution>
37              <baud_rate>14400</baud_rate>
38              <width>1728</width>
39              <height>Variable</height>
40              <data_compression>mh</data_compression>
41              <error_correction>on</error_correction>
42              <init_time>2013-07-24T17:25:49</init_time>
43              <off_hook_time>2013-07-24T18:49:36</off_hook_time>
44              <connect_time>2013-07-24T18:49:49</connect_time>
45              <elapsed_time>25</elapsed_time>
46              <scan_line_time>0</scan_line_time>
47          </call_entry>
48        <location>//172.16.0.5/share/archive/inbound/user1/fax_inbound_20131023_135211_recv0000.tif</location>
49      </inbound_fax_entry>
50  </response>
```

Viewing Outbound Fax Logs

Query Parameters	**limit=LIMIT** Limit the number of results to LIMIT. **index=INDEX (Must be used with limit)** Index indicates where to start reading the data in the database. Use to page through data. **include_call_info=true|false** Set to true to include call details. Requesting this information increases the response size.	
HTTP Request Line	GET /ffws/v1/outbound_log HTTP/1.1 GET /ffws/v1/outbound_log/FAXKEY HTTP/1.1 GET /ffws/v1/outbound_log/FAXKEY/ENTRYKEY HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows outbound fax log.
	400 Bad Request	The provided XML is not valid.

Example

```
1    GET /ffws/v1/outbound_log HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9         <message>Success</message>
10        <outbound_fax_entry>
11             <fax_entry_url>https://dot10/ffws/v1/outbound_log/00000110%2F0000</fax_entry_url>
12             <fax_url>https://dot10/ffws/v1/outbound_log/00000110</fax_url>
13        <!--To view the fax -->
14             <preview>https://dot10/ffws/v1/data/preview/00000110-0000.pdf</preview>
15             <status>sent</status>
16             <start_time>07/23/2013 04:02:16 PM</start_time>
17             <end_time>07/23/2013 04:03:05 PM</end_time>
18             <username>admin</username>
19             <agent>WebClient</agent>
20             <pages>0</pages>
21             <cover_page_used>1</cover_page_used>
22             <cover_page_name>mts_template3.pdf</cover_page_name>
23             <priority>3</priority>
24             <sender_name>Administrator</sender_name>
25             <sender_email>cla@mts.test</sender_email>
26             <sender_phone>1234</sender_phone>
27             <sender_fax></sender_fax>
28             <sender_organization></sender_organization>
29             <recipient_name>Avaya and Back 1</recipient_name>
30             <recipient_fax>8101</recipient_fax>
31             <recipient_phone></recipient_phone>
32             <recipient_organization></recipient_organization>
33             <subject></subject>
34             <comments>test</comments>
35             <call_entry>
36                  <modem_number>4</modem_number>
37                  <status>pass</status>
38                  <remote_id>FF240-IP</remote_id>
39                  <size>60342</size>
40                  <pages>1</pages>
41                  <resolution>Fine</resolution>
42                  <baud_rate>14400</baud_rate>
43                  <width></width>
44                  <height></height>
45                  <data_compression>MMR</data_compression>
46                  <error_correction>enabled</error_correction>
47                  <init_time></init_time>
48                  <off_hook_time></off_hook_time>
49                  <connect_time>2013-07-23T21:02:37</connect_time>
50                  <elapsed_time>25</elapsed_time>
51                  <scan_line_time>0</scan_line_time>
52                  <modulation>V17</modulation>
53             </call_entry>
54        </outbound_fax_entry>
55    </response>
```

Viewing Call Log

Query Parameters	**limit=LIMIT** Limit the number of results to LIMIT. **index=INDEX (Must be used with limit)** Index indicates where to start reading the data in the database. Use to page through data.	
HTTP Request Line	GET /ffws/v1/call_log HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows call logs.
	400 Bad Request	The provided XML is not valid.

FF240, FF440, or FF840 Example

```
1    GET /ffws/v1/call_log HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <call_entry>
11           <modem></modem>
12           <status></status>
13           <fax_number></fax_number>
14           <direction></direction>
15           <pages></pages>
16           <size></size>
17           <connect_time></connect_time>
18           <elapsed_time></elapsed_time>
19           <init_time></init_time>
20           <off_hook_time></off_hook_time>
21           <scan_line_time></scan_line_time>
22           <baud_rate></baud_rate>
23           <data_compression></data_compression>
24           <error_correction></error_correction>
25           <width></width>
26           <height></height>
27       <!--Inbound calls only.  -->
28           <all_dtmf_digits></all_dtmf_digits>
29       </call_entry>
30   </response>
```

FF240-IP Example

```
1    GET /ffws/v1/call_log HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <call_entry>
11           <channel></channel>
12           <status></status>
13           <fax_number></fax_number>
14           <direction></direction>
15           <pages></pages>
16           <size></size>
17           <connect_time></connect_time>
18           <elapsed_time></elapsed_time>
19           <baud_rate></baud_rate>
20           <data_compression></data_compression>
21           <error_correction></error_correction>
22           <modulation></modulation>
23       <!--Inbound calls only. -->
24           <all_call_digits></all_call_digits>
25       </call_entry>
26   </response>
```

Viewing Inbound or Outbound Log Count

HTTP Request Line	GET /ffws/v1/outbound_log_count HTTP/1.1	
	GET /ffws/v1/inbound_log_count HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows current T38 configuration.
	400 Bad Request	The provided XML is not valid.

Example

```
1   GET /ffws/v1/outbound_log_count HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ----------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Success</message>
10      <log_count>15</log_count>
11  </response>
```

FaxFinder Configuration

Viewing Inbound Routes

HTTP Request Line	GET /ffws/v1/routes HTTP/1.1	
	GET /ffws/v1/routes/global HTTP/1.1	
	GET /ffws/v1/routes/lines HTTP/1.1 (FF240, FF440, or FF840)	
	GET /ffws/v1/routes/lines/line_number HTTP/1.1 (FF240, FF440, or FF840)	
	GET /ffws/v1/routes/default HTTP/1.1 (FF240-IP only)	
	GET /ffws/v1/routes/recipients HTTP/1.1	
	GET /ffws/v1/routes/recipients/ID HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows inbound routes.
	400 Bad Request	The provided XML is not valid.

FF240, FF440, or FF840 Example All Inbound Routes

```
1    GET /ffws/v1/routes HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ---------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9        <message>Success</message>
10       <global>
11           <destination>
12               <type>Email</type>
13               <value>cla@mts.test</value>
14           </destination>
15           <destination>
16               <destination_id>2</destination_id>
17               <type>Print</type>
18               <value>hp_printer</value>
19           </destination>
20       </global>
21       <lines>
22           <line>
23                <line_number>1</line_number>
24               <description>first line</description>
25               <destination>
26                   <type>Email</type>
27                   <value>cla@mts.test</value>
28               </destination>
29           </line>
30           <line>
31               <line_number>2</line_number>
32               <description>second line</description>
33               <destination>
34                   <type>Notify</type>
35                   <value>test@mts.test</value>
36               </destination>
37           </line>
38       </lines>
```

```
39        <recipients>
40            <recipient>
41             <recipient_id>1</recipient_id>
42             <extension>1234</extension>
43             <description>Yoda</description>
44             <destination>
45              <type>Email</type>
46              <value>test2@email</value>
47             </destination>
48            </recipient>
49        </recipients>
50   </response>
```

FF240, FF440, or FF840 Example Inbound Routes for Lines

```
1    GET /ffws/v1/routes/lines HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9     <message>Success</message>
10        <lines>
11            <line>
12                <line_number>1</line_number>
13                 <description>Line 1</description>
14                 <destination>
15                     <type>User</type>
16                     <value>admin</value>
17                 </destination>
18            </line>
19            <line>
20                <line_number>2</line_number>
21                <description>Line 2</description>
22                <destination>
23                     <type>User </type>
24                     <value>admin </value>
25                 </destination>
26            </line>
27        </lines>
28   </response>
```

FF240-IP Example Inbound Default Routes

```
1    GET /ffws/v1/routes/lines HTTP/1.1
2    content-type: application/xml
3    authorization: Basic YWRtaW46YWRtaW4=
4    ----------------------------------
5    HTTP/1.1 200 OK
6    content-type: application/xml
7    <?xml version="1.0" encoding="UTF-8"?>
8    <response>
9     <message>Success</message>
10        <default>
11            <destination>
12             <type>User </type>
13             <value>admin</value>
14            </destination>
```

```
15          </default>
16 </response>
```

Deleting Inbound Routes

HTTP Request Line	DELETE /ffws/v1/routes/global HTTP/1.1
	DELETE /ffws/v1/routes/lines/line_number HTTP/1.1 (FF240, FF440, or FF840)
	DELETE /ffws/v1/routes/default HTTP/1.1 (FF240-IP only)
	DELETE /ffws/v1/routes/recipient/ID HTTP/1.1
HTTP Response Status Codes	200 OK	Deleted specified inbound routes.
	403 Forbidden	Authenticated user does not have permission to change data.
	404 Not Found	No route

Example

```
1   DELETE /ffws/v1/routes/recipient/ID HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   --------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Deleted</message>
10  </response>
```

Editing Inbound Routes

HTTP Request Line	PUT /ffws/v1/routes/global HTTP/1.1
	PUT /ffws/v1/routes/default HTTP/1.1
	PUT /ffws/v1/routes/lines/line_number HTTP/1.1
	PUT /ffws/v1/routes/recipient/ID HTTP/1.1
HTTP Response Status Codes	200 OK	Modified successfully.
	403 Forbidden	Authenticated user does not have permission to change data.
	404 Not Found	Route not found.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/routes/global HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5   <global>
6          <destination>
7                  <type>User</type>
8                  <value>admin</value>
9          </destination>
10         <destination>
11                 <type>Email</type>
12                 <value>newb@mts.test</value>
13         </destination>
14         <destination>
15                 <type>Notify</type>
16                 <value>new_fax@mts.test</value>
17         </destination>
18  </global>
```

Viewing Store and Forward (T.37) Settings

HTTP Request Line	GET /ffws/v1/t37 HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows current store and forward settings.
	400 Bad Request	The provided XML is not valid.

Example

```
1   GET /ffws/v1/t37 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ---------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9          <message>Success</message>
10         <t37>
11                 <enabled>true</enabled>
12                 <require_authentication>true</require_authentication>
13                 <set_user_from_envelope_sender>true</set_user_from_envelope_sender>
14                 <default_priority>2</default_priority>
15                 <max_tries>3</max_tries>
16                 <try_interval>300</try_interval>
17                 <receipt>failure</receipt>
18                 <receipt_attachment>none</receipt_attachment>
19                 <use_cover_page>true</use_cover_page>
20                 <default_cover_page_name>mts_template1</default_cover_page_name>
21                 <email_body_as_comments>true</email_body_as_comments>
22         </t37>
23  </response>
```

Editing Store and Forward (T.37) Settings

HTTP Request Line	PUT /ffws/v1/t37 HTTP/1.1	
HTTP Response Status Codes	200 OK	Store and forward setting successfully changed.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/t37 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5       <t37>
6           <enabled>true</enabled>
7           <require_authentication>true</require_authentication>
8           <set_user_from_envelope_sender>true</set_user_from_envelope_sender>
9           <default_priority>2</default_priority>
10          <max_tries>3</max_tries>
11          <try_interval>300</try_interval>
12          <receipt>failure</receipt>
13          <receipt_attachment>none</receipt_attachment>
14          <use_cover_page>true</use_cover_page>
15          <default_cover_page_name>mts_template1</default_cover_page_name>
16          <email_body_as_comments>true</email_body_as_comments>
17      </t37>
18  --------------------------------
19  HTTP/1.1 200 OK
20  content-type: application/xml
21  <?xml version="1.0" encoding="UTF-8"?>
22  <response>
23      <message>Modified</message>
24  </response>
```

Viewing Modem Settings (FF240, FF440, or FF840)

HTTP Request Line	GET /ffws/v1/modem HTTP/1.1 GET /ffws/v1/modem/MODEM HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows current modem configuration.
	400 Bad Request	The provided XML is not valid.

Example

```
1   GET /ffws/v1/modem
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ---------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Success</message>
10      <modem>
11          <number>1</number>
12          <fax_id>x40 Modem 1</fax_id>
13          <country_code>United States(US)</country_code>
14          <answer_on>2</answer_on>
15          <max_extension_digits>4</max_extension_digits>
16          <routing>Pots Line</routing>
17          <routing_definition></routing_definition>
18          <baud_rate>33600</baud_rate>
19          <dial_prefix></dial_prefix>
20          <init_string></init_string>
21          <fax_direction></fax_direction>
22          <error_correction>true</error_correction>
23          <smart_dial>true</smart_dial>
24          <tone_dial>true</tone_dial>
25          <fax_debugging>false</fax_direction>
26      </modem>
27  </response>
```

Editing Modem Settings (FF240, FF440, or FF840)

HTTP Request Line	PUT /ffws/v1/modem/MODEM HTTP/1.1 (where MODEM is a number from 1-24 depending on FaxFinder model and if using an Expansion Module.)	
HTTP Response Status Codes	200 OK	Modem settings successfully changed.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/modem/1 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5       <modem>
6           <number>1</number>
7           <fax_id>x40 Modem 1</fax_id>
8           <country_code>United States(US)</country_code>
9           <answer_on>2</answer_on>
10          <max_extension_digits>4</max_extension_digits>
11          <routing>Pots Line</routing>
12          <routing_definition></routing_definition>
13          <baud_rate>33600</baud_rate>
14          <dial_prefix></dial_prefix>
15          <init_string></init_string>
16          <fax_direction></fax_direction>
17          <error_correction>true</error_correction>
18          <smart_dial>true</smart_dial>
19          <tone_dial>true</tone_dial>
```

```
20          <fax_debugging>false</fax_direction>
21      </modem>
22    ---------------------------------
23    HTTP/1.1 200 OK
24    content-type: application/xml
25    <?xml version="1.0" encoding="UTF-8"?>
26    <response>
27        <message>Modified</message>
28    </response>
```

Viewing SIP Settings (FF240-IP only)

HTTP Request Line	GET /ffws/v1/sip HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows current SIP configuration.
	400 Bad Request	The provided XML is not valid.

Example

```
1     GET /ffws/v1/sip HTTP/1.1
2     content-type: application/xml
3     authorization: Basic YWRtaW46YWRtaW4=
4     ---------------------------------
5     HTTP/1.1 200 OK
6         content-type: application/xml
7     <?xml version="1.0" encoding="UTF-8"?>
8     <response>
9         <message>Success</message>
10        <sip>
11            <local_port>5060</local_port>
12            <sip_proxy_gateway>172.16.0.10</sip_proxy_gateway>
13            <sip_proxy_port>5060</sip_proxy_port>
14            <sip_domain></sip_domain>
15            <firewall></firewall>
16            <auth_required>false</auth_required>
17            <username></username>
18            <password></password>
19            <use_registrar>false</use_registrar>
20            <registrar></registrar>
21            <registrar_port></registrar_port>
22            <expires></expires>
23        </sip>
24    </response>
```

Editing SIP Settings (FF240-IP only)

HTTP Request Line	PUT /ffws/v1/sip HTTP/1.1	
HTTP Response Status Codes	200 OK	SIP settings successfully changed.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/sip HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5    <sip>
6           <local_port>5060</local_port>
7           <sip_proxy_gateway>172.16.0.10</sip_proxy_gateway>
8           <sip_proxy_port>5060</sip_proxy_port>
9           <sip_domain></sip_domain>
10          <firewall></firewall>
11          <auth_required>false</auth_required>
12          <username></username>
13          <password></password>
14          <use_registrar>false</use_registrar>
15          <registrar></registrar>
16          <registrar_port></registrar_port>
17          <expires></expires>
18   </sip>
19   --------------------------------
20   HTTP/1.1 200 OK
21   content-type: application/xml
22   <?xml version="1.0" encoding="UTF-8"?>
23   <response>
24          <message>Modified</message>
25   </response>
```

Viewing T38 Settings (FF240-IP only)

HTTP Request Line	GET /ffws/v1/t38 HTTP/1.1	
HTTP Response Status Codes	200 OK	Shows current T38 configuration.
	400 Bad Request	The provided XML is not valid.

Example

```
1   GET /ffws/v1/t38 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   --------------------------------
5   HTTP/1.1 200 OK
6   content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9          <message>Success</message>
10          <t38>
```

```
11          <fax_id>FF240-IP</fax_id>
12          <max_rate>14400</max_rate>
13          <fax_method>T.38 Re-Invite</fax_method>
14          <error_correction>true</error_correction>
15          <fax_codec>alaw,ulaw</fax_codec>
16          <dial_prefix></dial_prefix>
17          <redundancy_level>3</redundancy_level>
18          <jitter_buffer_delay>300</jitter_buffer_delay>
19          <max_buffer>4000</max_buffer>
20          <max_datagram>948</max_datagram>
21          <extension_source>SIP To Header</extension_source>
22          <extension_digits>Use All</extension_digits>
23          <extension_length>0</extension_length>
24          <channel_reservation_inbound>0</channel_reservation_inbound>
25          <channel_reservation_outbound>0</channel_reservation_outbound>
26      </t38>
27  </response>
```

Editing T38 Settings (FF240-IP only)

HTTP Request Line	PUT /ffws/v1/T38 HTTP/1.1	
HTTP Response Status Codes	200 OK	T38 settings successfully changed.
	400 Bad Request	The provided XML is not valid.

Example

```
1   PUT /ffws/v1/t38 HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   <?xml version="1.0" encoding="UTF-8"?>
5       <t38>
6           <fax_id>FF240-IP</fax_id>
7           <max_rate>14400</max_rate>
8           <fax_method>T.38 Re-Invite</fax_method>
9           <error_correction>true</error_correction>
10          <fax_codec>alaw,ulaw</fax_codec>
11          <dial_prefix></dial_prefix>
12          <redundancy_level>3</redundancy_level>
13          <jitter_buffer_delay>300</jitter_buffer_delay>
14          <max_buffer>4000</max_buffer>
15          <max_datagram>948</max_datagram>
16          <extension_source>SIP To Header</extension_source>
17          <extension_digits>Use All</extension_digits>
18          <extension_length>0</extension_length>
19          <channel_reservation_inbound>0</channel_reservation_inbound>
20          <channel_reservation_outbound>0</channel_reservation_outbound>
21      </t38>
22  ---------------------------------
23  HTTP/1.1 200 OK
24      content-type: application/xml
25  <?xml version="1.0" encoding="UTF-8"?>
26  <response>
27      <message>Modified</message>
28  </response>
```

Viewing Add Global Contacts Status of Non-Admin Users

HTTP Request Line	GET /ffws/v1/user_options HTTP/1.1	
HTTP Response Status Codes	200 OK	Current status of global contacts.
	400 Bad Request	The provided XML is not valid.

Example

```
1   GET /ffws/v1/user_options HTTP/1.1
2   content-type: application/xml
3   authorization: Basic YWRtaW46YWRtaW4=
4   ---------------------------------
5   HTTP/1.1 200 OK
6       content-type: application/xml
7   <?xml version="1.0" encoding="UTF-8"?>
8   <response>
9       <message>Success</message>
10      <user_options>
11          <add_global>false</add_global>
12      </user_options>
13  </response>
```

About FaxFinder

Viewing Information about the FaxFinder

HTTP Request Line	GET /ffws/v1/about HTTP/1.1	
HTTP Response Status Codes	200 OK	Success

Example

1	GET /ffws/v1/verify HTTP/1.1
2	content-type: application/xml
3	authorization: Basic YWRtaW46YWRtaW4=
4	----------------------------------
5	HTTP/1.1 200 OK
6	content-type: application/xml
7	<?**xml** version="**1.0**" encoding="**UTF-8**"?>
8	<**response**>
9	<**message**>Success</**message**>
10	<**about**>
11	<**model**>FF240-IP</**model**>
12	<**version**>1.2.5.2</**version**>
13	<**serial**>1234566</**serial**>
14	<**hostname**>dot10.mts.test</**hostname**>
15	<**description**>Carols FF240-IP</**description**>
16	<**channels**>8</**channels**> OR <**modems**>8</**modems**>
17	<**uptime**>days:hours:minutes</**uptime**>
18	</**about**>
19	</**response**>

Elements

General Status Codes

Be aware that other Status Codes that do not pertain specifically to the resource requested may be returned. See RFC 2616 for a listing of all possible codes.

Some FFWS general errors:

Error	Description
401 Unauthorized	Authorization required.
415 Unsupported Media Type	Content-Type must be set to 'application/xml'.
405 Method Not Allowed	The resource does not support that method.
503 Service Unavailable	Temporary overloading.

Schedule Fax Element

Most elements under schedule_fax are optional. If an element is left out, an appropriate default or an empty string will be substituted.

```
1   <!-- Describes one or more faxes to send -->
2   <schedule_fax>
3   <!-- Cover page information -->
4       <cover_page>
5   <!-- URL of cover page on server to use -->
6   <!-- default: default.pdf -->
7   <!-- required: no -->
8   <!-- value: string -->
9           <url>https://192.168.2.1/ffws/v1/data/cover_pages/default.pdf</url>
10  <!-- Enable or disable the inclusion of a cover page -->
11  <!-- default: true -->
12  <!-- required: no -->
13  <!-- value: boolean -->
14          <enabled>true</enabled>
15  <!-- Subject added to subject field on cover page -->
16  <!-- default: "" -->
17  <!-- required: no -->
18  <!-- value: string -->
19          <subject>Test Subject</subject>
20  <!-- Message added to the comments field on cover page -->
21  <!-- default: "" -->
22  <!-- required: no -->
23  <!-- value: string -->
24          <comments>Test Message</comments>
25      </cover_page>
26  <!-- Sender information -->
27      <sender>
28  <!-- The name of the sender -->
29  <!-- default: "" -->
30  <!-- required: no -->
31  <!-- value: string -->
32          <name>Sender Name</name>
33  <!-- Sender Organization/company -->
```

```
34    <!-- default: "" -->
35    <!-- required: no -->
36    <!-- value: string -->
37            <organization>Sender Org</organization>
38    <!-- Sender phone number -->
39    <!-- default: "" -->
40    <!-- required: no -->
41    <!-- value: string -->
42            <phone_number>218-555-3333</phone_number>
43    <!-- Sender fax number -->
44    <!-- default: "" -->
45    <!-- required: no -->
46    <!-- value: string -->
47            <fax_number>218-555-3334</fax_number>
48    <!-- Sender email address-->
49    <!-- This field must be included to receive email alerts -->
50    <!-- default: "" -->
51    <!-- required: no -->
52    <!-- value: string -->
53            <email_address>sender@Example.com</email_address>
54        </sender>
55    <!-- Recipient information -->
56    <!-- At least one recipient must be included -->
57    <!-- A fax is sent to each recipient -->
58        <recipient>
59    <!-- Recipient Name -->
60    <!-- default: "" -->
61    <!-- required: no -->
62    <!-- value: string -->
63            <name>Rcpt 1 Name</name>
64    <!-- Recipient Organization -->
65    <!-- default: "" -->
66    <!-- required: no -->
67    <!-- value: string -->
68            <organization>Rcpt 1 Org</organization>
69    <!-- Recipient Fax Number -->
70    <!-- The fax number to send to -->
71    <!-- required: yes -->
72    <!-- value: string -->
73            <fax_number>218-555-3335</fax_number>
74    <!-- Recipient Phone Number -->
75    <!-- default: "" -->
76    <!-- required: no -->
77    <!-- value: string -->
78            <phone_number>218-555-3336</phone_number>
79        </recipient>
80    <!-- Attachments to send as fax pages -->
81        <attachment>
82    <!-- Attachment location -->
83    <!-- required: yes -->
84    <!-- value: inline | external -->
85            <location>inline</location>
86    <!-- Attachment name -->
87    <!-- A unique name associate with this attachment -->
88    <!-- Used to differentiate between attachments -->
89    <!-- required: yes if location == inline -->
90    <!-- value: string -->
91            <name>attachment1.txt</name>
92    <!-- Attachment type must be one of: -->
93    <!-- application/pdf -->
```

```
94      <!-- application/postscript -->
95      <!-- text/plain -->
96      <!-- image/tiff -->
97      <!-- required: yes if location == inline -->
98      <!-- value: string -->
99                  <content_type>text/plain</content_type>
100     <!-- Content encoding -->
101     <!-- Must be set to base64 -->
102     <!-- required: yes if location == inline -->
103     <!-- value: string -->
104                 <content_transfer_encoding>base64</content_transfer_encoding>
105     <!-- Content of attachment base64 encoded -->
106     <!-- required: yes if location == inline -->
107     <!-- value: string -->
108                 <content>dGVzdA==</content>
109     <!-- HTTP URL of attachment hosted on another web server -->
110     <!-- required: yes if location == external -->
111     <!-- value: string -->
112                 <url>http://Example.com/fax/report.pdf</url>
113         </attachment>
114     <!-- Maximum number of tries until failure of fax -->
115     <!-- default: 3 -->
116     <!-- required: no -->
117     <!-- value: integer -->
118         <max_tries>3</max_tries>
119     <!-- Priority level of fax -->
120     <!-- Must be of value from 0..5 where 0 is the highest -->
121     <!-- A higher priority fax will send before a lower priority fax -->
122     <!-- when there is more than one fax ready to send. -->
123     <!-- default: 3 -->
124     <!-- required: no -->
125     <!-- value: integer -->
126         <priority>3</priority>
127     <!-- Interval in seconds between failure tries -->
128     <!-- default: 30 -->
129     <!-- required: no -->
130     <!-- value: integer -->
131         <try_interval>30</try_interval>
132     <!-- Fax Receipt -->
133     <!-- Send a fax receipt to senders email: "always" | "never" | "failure" -->
134     <!-- default: "failure" -->
135     <!-- required: no -->
136     <!-- value: string -->
137         <receipt>failure</receipt>
138     <!-- Fax Attachment with Receipt -->
139     <!-- Send the fax pages as an attachment with receipt: "pdf" | "tiff" | "none" -->
140     <!-- default: "pdf" -->
141     <!-- required: no -->
142     <!-- value: string -->
143         <receipt_attachment>none</receipt_attachment>
144     <!-- URL of scheduled faxes -->
145     <!-- Added by FFWS -->
146     <!-- value: string -->
147         <fax_url>https://192.168.2.1/ffws/v1/ofax/0000001C</fax_url>
148     <!-- Total number of fax pages not including the cover page -->
149     <!-- Added by FFWS -->
150     <!-- value: integer -->
151         <pages>1</pages>
152     <!-- Schedule all faxes to send at a specified UTC time -->
153     <!-- If this options is not present then faxes will be -->
```

154	<!-- scheduled to send as soon as possible. -->
155	<!-- Format: %FT%T -->
156	<!-- required: no -->
157	<!-- value: string -->
158	<schedule_all_at>2008-08-07T20:30:00</schedule_all_at>
159	</schedule_fax>

Fax Entry Element

This element represents an actual fax that will be sent. Some of the elements are the same as elements provided in schedule_fax. See the documentation above for an explanation of those fields.

1	<!-- Describes a Fax Entry -->
2	<fax_entry>
3	<!-- URL of this fax_entry -->
4	<!-- value: string -->
5	<fax_entry_url>https://172.16.0.13/ffws/v1/ofax/00000FD1/0000</fax_entry_url>
6	<!-- URL of scheduled_fax group to which this fax_entry is a part of -->
7	<!-- value: string -->
8	<fax_url>https://172.16.0.13/ffws/v1/ofax/00000FD1</fax_url>
9	<!-- Current state of this fax entry -->
10	<!-- Can be one of: -->
11	<!-- preprocessing-->
12	<!-- approval_pending -->
13	<!-- pending -->
14	<!-- sending -->
15	<!-- sent -->
16	<!-- aborted -->
17	<!-- failed -->
18	<!-- dead -->
19	<!-- value: string -->
20	<state>sent</state>
21	<!-- Human readable string describing the current status -->
22	<!-- value: string -->
23	<schedule_message>Successfully sent fax</schedule_message>
24	<!-- Human readable time representing the time -->
25	<!-- in the faxfinders time zone, when the fax -->
26	<!-- was created. -->
27	<!-- This value will be approximately the time when -->
28	<!-- the fax was scheduled. -->
29	<!-- value: string -->
30	<created>2009-01-30T04:43:26</created>
31	<!-- A contextual field which varies based on the -->
32	<!-- state. -->
33	<!-- When the fax is pending this field represents -->
34	<!-- the time when FaxFinder will try to send it. -->
35	<!-- When the fax is sending this field represents -->
36	<!-- the time when FaxFinder actually started sending it. -->
37	<!-- In any other case it is the time of completion. -->
38	<!-- value: string -->
39	<stime>2009-01-30T05:04:00</stime>
40	<!-- The number of unsuccessful tries that have already occurred -->
41	<!-- value: string -->
42	<try_number>1</try_number>
43	<!-- Sending Agent -->
44	<!-- value: string -->
45	<agent>FFWS</agent>
46	<!-- Fax Preview URL -->
47	<!-- value: string -->

```
48        <preview>https://172.16.0.13/ffws/v1/data/preview/00000FD1-0000.pdf</preview>
49        <cover_page>
50              <enabled>false</enabled>
51              <url></url>
52              <subject></subject>
53              <comments></comments>
54        </cover_page>
55        <sender>
56              <username>admin</username>
57              <name></name>
58              <organization></organization>
59              <phone_number></phone_number>
60              <fax_number></fax_number>
61              <email_address></email_address>
62        </sender>
63        <recipient>
64              <name>test recipient</name>
65              <organization>test org</organization>
66              <fax_number>5816</fax_number>
67              <phone_number></phone_number>
68        </recipient>
69        <max_tries>3</max_tries>
70        <priority>3</priority>
71        <try_interval>300</try_interval>
72        <receipt>failure</receipt>
73        <receipt_attachment>failure</receipt_attachment>
74        <pages>6</pages>
75        <approver>_SYSTEM_</approver>
76        <approval_time>2009-01-30T04:43:28</approval_time>
77  <!-- Modem level information included when include_modem_info=true. -->
78  <!-- A modem entry is added for each attempt and is only available -->
79  <!-- after one full attempt has completed. -->
80        <modem_entry>
81              <modem_number>1</modem_number>
82              <status>pass</status>
83              <remote_id>POTS modem 1</remote_id>
84              <size>403498</size>
85              <pages>6</pages>
86              <resolution>Fine</resolution>
87              <baud_rate>33600</baud_rate>
88              <width>1728</width>
89              <height>Variable</height>
90              <data_compression>mh</data_compression>
91              <error_correction>on</error_correction>
92              <init_time>2009-01-30T05:00:09</init_time>
93              <off_hook_time>2009-01-30T05:00:18</off_hook_time>
94              <connect_time>2009-01-30T05:00:51</connect_time>
95              <elapsed_time>172</elapsed_time>
96              <scan_line_time>0</scan_line_time>
97        </modem_entry>
98  </fax_entry>
```

User Element

This element represents a user registered on the FaxFinder.

```
1    <!-- Describes a User -->
2    <user>
3    <!-- Url of this user -->
4    <!-- value: string -->
5        <user_url>https://192.168.2.1/ffws/v1/users/admin</user_url>
6    <!-- Full name of user -->
7    <!-- required: yes -->
8    <!-- value: string -->
9        <name>Administrator</name>
10   <!-- Username -->
11   <!-- Must be a unique -->
12   <!-- Must contain only characters [A-Za-z0-9_] -->
13   <!-- required: yes -->
14   <!-- value: string -->
15       <username>admin</username>
16   <!-- Email address of user -->
17   <!-- Must be a valid email address -->
18   <!-- required: no -->
19   <!-- default: "" -->
20   <!-- value: string -->
21       <email_address>admin@Example.com</email_address>
22   <!-- Phone number of user -->
23   <!-- required: no -->
24   <!-- default: "" -->
25   <!-- value: string -->
26       <phone_number>218-555-3333</phone_number>
27   <!-- Fax number of user -->
28   <!-- required: no -->
29   <!-- default: "" -->
30   <!-- value: string -->
31       <fax_number>218-555-3334</fax_number>
32   <!-- Organization of user -->
33   <!-- required: no -->
34   <!-- default: "" -->
35   <!-- value: string -->
36       <organization>Example Org</organization>
37       <priority></priority>
38       <max_attempts></max_attempts>
39       <interval></interval>
40       <receipt></receipt>
41       <receipt_attachment></receipt_attachment>
42   </user>
```

Contact Element

This element represents a user contact.

```
1    <!-- Describes a Contact -->
2    <contact>
3    <!-- URL of this contact -->
4    <!-- value: string -->
5        <contact_url>https://192.168.2.1/ffws/v1/contacts/admin/1</contact_url>
6    <!-- Contact Name -->
7    <!-- required: yes -->
8    <!-- value: string -->
9        <name>contact name</name>
10   <!-- Contact Fax number -->
11   <!-- required: yes -->
12   <!-- value: string -->
13       <fax_number>218-555-3335</fax_number>
14   <!-- Contact Phone Number -->
15   <!-- required: no -->
16   <!-- default: "" -->
17   <!-- value: string -->
18       <phone_number>218-555-3336</phone_number>
19   <!-- Contact Organization -->
20   <!-- required: no -->
21   <!-- default: "" -->
22   <!-- value: string -->
23       <organization>Contacts Org</organization>
24   </contact>
```

Group Element

This element represents a group.

```
1    <!-- Describes a Group-->
2    <contact_group>
3    <!-- URL of this contact -->
4    <!-- value: string -->
5        <contact_group_url> https://172.16.0.36/ffws/v1/contact_groups/admin/3</contact_group_url>
6    <!-- Group Name -->
7    <!-- required: yes
8    <!-- value: string -->
9        <name>group 3</name>
10   <!--Group Description -->
11   <!-- required: no -->
12   <!-- default: "" -->
13   <!-- value: string -->
14       <description></description>
15   <!-- Contacts -->
16   <!-- required: yes -->
17   <!-- value: string -->
18       <contact>https://172.16.0.36/ffws/v1/contacts/admin/19</contact>
19       <contact>https://172.16.0.36/ffws/v1/contacts/admin/20</contact>
20       <contact>https://172.16.0.36/ffws/v1/contacts/admin/21</contact>
21   </contact_group>
```

Inbound Routing Fax Element

This element represents an inbound route.

```
1    <!-- Describes global route destination-->
2        <global>
3        <destination>
4    <!-- Describes destination option-->
5    <!-- required: yes -->
6    <!-- Can be one of: -->
7    <!--Email -->
8    <!--Notify  -->
9    <!-- User  ->
10   <!--Notify User  -->
11   <!--Share -->
12   <!-- Sftp -->
13   <!-- Print -->
14      <type>Email </type>
15   <!-- Additional information required based on type -->
16   <!--For Email value = the email address -->
17   <!-- For Notify value = the email address -->
18   <!-- For User value = username - ->
19   <!-- For Notify User value = username  -->
20   <!-- For Share value = network share folder-->
21   <!-- For Sftp value = SFTP server -->
22   <!-- For Print value = printer -->
23   <!-- For Trash  no value needed-->
24      <value>cla@mts.test</value
25    </destination>
26     </global>
27   <!-- Describes line routing-->
28       <lines>
29           <line>
30   <!—Indicates which line -->
31   <!-- required: yes -->
32   <!-- value: string -->
33              <line_number>1</line_number>
34   <!-- Describes  which line -->
35   <!-- required: no -->
36   <!-- default: "" -->
37   <!-- value: string -->
38              <description>first line</description>
39              <destination>
40   <!-- Describes destination option-->
41   <!-- required: yes -->
42   <!-- Can be one of: -->
43   <!--Email -->
44   <!--Notify  -->
45   <!-- User  ->
46   <!--Notify User  -->
47   <!--Share -->
48   <!-- Sftp -->
49   <!-- Print -->
50   <!-- Trash -->
51              <type>Email</type>
52   <!-- Additional information required based on type -->
53   <!--For Email value = the email address -->
54   <!-- For Notify value = the email address -->
55   <!-- For User value = username - ->
```

```
56   <!-- For Notify User value = username  -->
57   <!-- For Share value = network share folder-->
58   <!-- For Sftp value = SFTP server -->
59   <!-- For Print value = printer name -->
60   <!-- For Trash  no value needed-->
61                        <value>cla@mts.test</value>
62               </destination>
63        </line>
64       </lines>
65   <!-- Describes default routing for FF240-IP -->
66      <default>
67           <destination>
68   <!-- Describes destination option-->
69   <!-- required: yes -->
70   <!-- Can be one of: -->
71   <!--Email -->
72   <!--Notify  -->
73   <!-- User  ->
74   <!--Notify User  -->
75   <!--Share -->
76   <!-- Sftp -->
77   <!-- Print -->
78   <!-- Trash -->
79                    <type>User</type>
80   <!-- Additional information required based on type -->
81   <!--For Email value = the email address -->
82   <!-- For Notify value = the email address -->
83   <!-- For User value = username - ->
84   <!-- For Notify User value = username  -->
85   <!-- For Share value = network share folder-->
86   <!-- For Sftp value = SFTP server -->
87   <!-- For Print value = printer name -->
88   <!-- For Trash  no value needed-->
89                <value>admin</value>
90           </destination>
91        </default>
92   <!-- Describes recipient routing-->
93       <recipients>
94           <recipient>
95   <!--Recipient  extension number-->
96   <!-- required: yes -->
97   <!-- value: string -->
98               <extension>1234</extension>
99   <!-- Describes  recipient -->
100  <!-- required: no -->
101  <!-- default: "" -->
102  <!-- value: string -->
103           <description>Yoda</description>
104           <destination>
105  <!-- Describes destination option-->
106  <!-- required: yes -->
107  <!-- Can be one of: -->
108  <!--Email -->
109  <!--Notify  -->
110  <!-- User  ->
111  <!--Notify User  -->
112  <!--Share -->
113  <!-- Sftp -->
114  <!-- Print -->
115  <!-- Trash -->
```

```
116            <type>Email</type>
117    <!-- Additional information required based on type -->
118    <!--For Email value = the email address -->
119    <!-- For Notify value = the email address -->
120    <!-- For User value = username - ->
121    <!-- For Notify User value = username  -->
122    <!-- For Share value = network share folder-->
123    <!-- For Sftp value = SFTP server -->
124    <!-- For Print value = printer name -->
125    <!-- For Trash  no value needed-->
126            <value>test2@email</value>
127          </destination>
128         </recipient>
129      </recipients>
```