

# BroadFax Unicus ; Prodsend XML APIs

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## 1 UNICUS; PRODSEND JOB COMMANDS.

### 1.1 INITIATE JOB

1.1.1 Return XML message from "InitiateJob"

### 1.2 ADD JOB RECIPIENT

1.2.1 Return XML message from "AddJobRecipient"

### 1.3 START JOB

1.3.1 Return XML message from "StartJob"

## 1 Unicus; Prodsend Job Commands.

Prodsend Job commands are meant for Mail-merge type jobs. Where you have a bunch of messages arriving and then you want to send them all together. This XML command is specifically for ProdSend type applications. Three ProdSend XML commands are used in the creation and submission of a ProdSend type jobs to MDX/BF: **InitiateJob**, **AddJobRecipient** and **StartJob**.

### 1.1 Initiate Job

This is the first command. It sets job parameters and provide broadcast-type documents. It returns an MDX/BF job ID. Use this command to initiate the creation of a ProdSend type job.

XML Command	Description	Examples/permitted values
<?xml version="1.0"?>	The XML version	
<MDX version="1.0">	The MDX XML version code	
<UserName> </UserName>	MDX/BF user name	
<UserPassword> </UserPassword>	MDX/BF user password	
<InitiateJob>	Start tag for InitiateJob	
<JobName> </JobName>	Job name	
<ApplicationID> </ApplicationID>	The application ID. Applications submitting MDX/BF jobs may be assigned an application ID number	Optional. Valid pre-assigned numeric value
<Priority> </Priority>	Job priority	4 to 10
<Resolution> </Resolution>	Fax resolution	Values: fine or standard
<Retries> </Retries>	Number of retries for fax, 0=no retries	0 to 5
<Prefix> </Prefix>	Prefix that will be used in dialing. Applies to all numbers	Optional
<Suffix> </Suffix>	Suffix that will be used in dialing. Applies to all numbers	Optional, values: yes or no
<StartLine> </StartLine>	Shows where to start reading the fax list (s)	Optional. If 0, the list is limited only by FinishLine
<FinishLine> </FinishLine>	Shows where to stop reading the fax list (s)	Optional. If 0, the list is limited

XML Command	Description	Examples/permitted values
		only by StartLine
<SendLocal> </SendLocal>	Send local numbers or not Default value is 'yes'	Optional. Values: yes or no
<SendLongDistance> </SendLongDistance>	Send Long distance numbers or not Default value is 'yes'	Optional. Values: yes or no
<RetainDocuments> </RetainDocuments>	Flag that indicates if to retain job's document after job was completed or to delete them immediately. Default value is 'yes; keep docs'	Optional, values: yes or no
<RetainRecipientList> </RetainRecipientList>	Flag that indicates if to retain job's recipients list after job was completed or to delete it immediately. Default value is 'yes', keep list.	Optional, values: yes or no
<SenderEmail> </SenderEmail>	Sender email address	
<SenderName> </SenderName>	Sender name	
<SenderLocalCSID> </SenderLocalCSID>	Sender Caller Sign ID (CSID)	
<ShowFaxHeaderLine> </ShowFaxHeaderLine>	Show fax header line flag	Values: yes or no
<EmailSubject> </EmailSubject>	The subject line for email messages (not fax)	
<SubAccount> </SubAccount>	Additional account classifier for the user (e.g. Department)	
<StartDateTime> </StartDateTime>	Start date and time (format MM/DD/YY HH:MM:SS)	E.g: 12/31/01 16:22:00
<Schedule>	Start tag for job schedule	
<Tuesday>	Start tag for Tuesday schedule (can be any other day)	
<Interval>	Start tag for a time interval	
<Start> </Start>	Interval start time	Military time, e.g. 21:00
<Stop> </Stop>	Interval stop time	Military time, e.g. 23:00
</Interval>	End tag for a time interval	
<b>Can have an additional &lt;Interval&gt; for each day</b>		
</Tuesday>	End tag for Tuesday schedule	
<b>Can have schedule for other days, e.g. &lt;Wednesday&gt;, and schedule for multiple days</b>		
</Schedule>	End tag for job schedule	
<Document ext="TIF" format="BASE64">	Start tag for document to send. You must provide values for the attributes. Valid values for <b>file extension</b> (ext) are: TIF, XML, PDF, CPT etc. Valid values for <b>file format</b> (format) are BASE64, XML	
<b>BASE64 TIF file goes here</b>		
</Document>	End tag for document	
<RecipientDocumentPosition/>	This special tag identifies the position of the recipient's specific document in the order in which the documents are sent to the fax machine.	
<b>additional &lt;Document&gt; &lt;/Document&gt; can repeat for every document being sent</b>	<b>NOTE: the order</b> in which the documents are placed in this command is the order in which they will be sent to the	

XML Command	Description	Examples/permitted values
</InitiateJob>	fax machine.	
</MDX>	End tag for InitiateJob	
	End of XML command	

### Example

```

<?xml version="1.0"?>
<MDX version="1.0">
  <UserName>Jim Brown</UserName>
  <UserPassword>abcd</UserPassword>
  <InitiateJob>
    <JobName>July Invoices</JobName>
    <ApplicationID>0</ApplicationID>
    <SenderEmail>abc@broadfax.com</SenderEmail>
    <SenderName>Peter James</SenderName>
    <SenderLocalCSID>1234567</SenderLocalCSID>
    <ShowFaxHeaderLine>yes</ShowFaxHeaderLine>
    <Prefix>9,</Prefix>
    <Suffix>123</Suffix>
    <StartLine>0</StartLine>
    <FinishLine>100</FinishLine>

    <Priority>5</Priority>
    <Resolution>fine</Resolution>
    <Retries>0</Retries>
    <RetainDocuments>yes</RetainDocuments>
    <RetainRecipientList>yes</RetainRecipientList>
    <EmailSubject>July Invoices</EmailSubject>
    <SubAccount>Human Resources</SubAccount>
    <SendLocal>yes</SendLocal>
    <SendLongDistance>no</SendLongDistance>
    <StartDateTime>12/31/2003 11:22:33</StartDateTime>
    <Schedule>
      <Monday>
        <Interval>
          <Start>09:00</Start>
          <Stop>10:00</Stop>
        </Interval>
      </Monday>
    <Sunday>

```

```

<Interval>
  <Start>09:00</Start>
  <Stop>10:00</Stop>
</Interval>
<Interval>
  <Start>12:00</Start>
  <Stop>15:00</Stop>
</Interval>
</Sunday>
<Wednesday>
  <Exclude/>
</Wednesday>
</Schedule>
<Document ext="CPT" format="BASE64">
BASE64 CPT file (cover page) goes here
</Document>
<RecipientDocumentPosition/>
<Document ext="TIF" format="BASE64">
BASE64 TIF file goes here
</Document>
... additional <Document> </Document> can repeat for every document being sent
</InitiateJob>
</MDX>

```

**Note regarding order in which the documents are printed at the fax machine.**

This XML command determines the order the documents are printed at the fax machine for the entire job. There are two types of documents:

- Generic broadcast document(s) that can also include the cover page, and
- Recipient specific document(s).

The order of these tags and document in the above command determines the print order at the fax machine. For example if the order of the tags is:

```

<Document> cover1.CPT</Document>
<RecipientDocumentPosition/>
<Document>doc2.TIF</Document>

```

BroadFax will send the documents in the following order to the fax machines: (1) cover1.CPT; (2) Recipient's document(s) (3) doc2.TIF. It is the responsibility of the application that submits this command to set up the appropriate order.

### 1.1.1 Return XML message from “InitiateJob”

XML Command	Description	Examples/permitted values
<?xml version="1.0">	The XML version	
<MDX version="1.0">	The MDX XML start tag	
<SessionReturnCode> </SessionReturnCode>	XML session return code	0=OK; +1=warning; -1=error
<SessionReturnMessage> </SessionReturnMessage>	XML session message	OK= successful
<InitiateJobResponse>	Start tag for InitiateJobResponse	
<ReturnCode> </ReturnCode>	Return code	0=OK; +1=warning; -1=error
<ReturnMessage> </ReturnMessage>	Return message	OK= successful
<JobId> </JobId>	The created MDX/BF jobId	
</InitiateJobResponse>	End tag for InitiateJobResponse	
</MDX>	End of XML command	

#### Example

```
<?xml version="1.0">
<MDX version="1.0">
  <SessionReturnCode>0</SessionReturnCode>
  <SessionReturnMessage>OK</SessionReturnMessage>
  <InitiateJobResponse>
    <ReturnCode>0</ReturnCode>
    <ReturnMessage>OK</ReturnMessage>
    <JobId>1757</JobId>
  </InitiateJobResponse>
</MDX>
```

## 1.2 Add Job Recipient

This XML command is specifically for ProdSend type applications. Three ProdSend XML commands are used in the creation and submission of a ProdSend type jobs to MDX/BF: **InitiateJob**, **AddJobRecipient** and **StartJob**. This is the second command. It adds recipients' information and their specific document(s). Use this command to add recipients to a ProdSend type job.

**NOTE:** Repeat submitting this command for every recipient that is part of this job.

XML Command	Description	Examples/permitted values
<?xml version="1.0"?>	The XML version	
<MDX version="1.0">	The MDX XML version code	
<UserName> </UserName>	MDX/BF user name	
<UserPassword> </UserPassword>	MDX/BF user password	
<AddJobRecipient>	Start tag for AddJobRecipient	
<JobId> </JobId>	The Job ID to which to add this recipient. Note- job Id is created by the <b>InitiateJob</b> XML command	
<RecipientAddress> </RecipientAddress>	Recipient fax number or email address	
<RecipientName> </RecipientName>	Recipient name	
<CompanyName> </CompanyName>	Recipient company name	Optional
<Salutation> </Salutation>	Recipient Salutation	Optional. E.g. Mr.
<AppSourceId> </AppSourceId>	Application Source ID is an ID generated by the sending application. It enables associating the unique message (transaction) back to its source application message.	Optional
<UD0> </UD0>	User Define 0. This field can store value that can be inserted into the cover page or other places	Optional
<b>Can have additional UD fields up to &lt;UD9&gt;</b>		
<Document ext="TIF" format="BASE64">	Start tag for document to send to this recipient. You must provide values for the attributes. Valid values for <b>file extension</b> (ext) are: TIF, PDF, etc. Valid values for <b>file format</b> (format) is BASE64	
<b>BASE64 TIF file goes here</b>		
</Document>	End tag for document	
<b>additional &lt;Document&gt; &lt;/Document&gt; can repeat for every document being sent for this recipient</b>	<b>NOTE: the order</b> in which the documents are placed in this command is the order in which they will be sent to the fax machine.	
</AddJobRecipient>	End tag for AddJobRecipient	
</MDX>	End of XML command	

### Example

```
<?xml version="1.0"?>
<MDX version="1.0">
  <UserName>Jim Brown</UserName>
```

```
<UserPassword>abcd</UserPassword>
<AddJobRecipient>
  <JobId>1757</JobId>
  <RecipientAddress>604 123 4567</RecipientAddress>
  <RecipientName>John Smith</RecipientName>
  <CompanyName>General Motors</CompanyName>
  <Salutation>Mr.</Salutation>
  <AppSourceId>12345</AppSourceId>
  <UD0>a</UD0>
  <UD1>b</UD1>
  <UD2>c</UD2>
  <UD3>d</UD3>
  <UD4>e</UD4>
  <UD5>f</UD5>
  <UD6>g</UD6>
  <UD7>h</UD7>
  <UD8>i</UD8>
  <UD9>j</UD9>
  <Document ext="TIF" format="BASE64">
    BASE64 TIF file goes here...
  </Document>
  ... additional <Document> </Document> can repeat for every document being sent for this recipient
</AddJobRecipient>
</MDX>
```

**NOTE: the order in which the documents are placed in this command is the order in which they will be sent to the fax machine.**

## 1.2.1 Return XML message from “AddJobRecipient”

XML Command	Description	Examples/permitted values
<?xml version="1.0">	The XML version	
<MDX version="1.0">	The MDX XML start tag	
<SessionReturnCode> </SessionReturnCode>	XML session return code	0=OK; +1=warning; -1=error
<SessionReturnMessage> </SessionReturnMessage>	XML session message	OK= successful
<AddJobRecipientResponse>	Start tag for AddJobRecipientResponse	
<ReturnCode> </ReturnCode>	Return code	0=OK; +1=warning; -1=error
<ReturnMessage> </ReturnMessage>	Return message	OK= successful
<JobId> </JobId>	The job Id	
<RecipientId> </RecipientId>	A unique identifier ID given for this recipient. Note – this value is for reference only. The sending application doesn't have to save or process it.	
</AddJobRecipientResponse>	End tag for AddJobRecipientResponse	
</MDX>	End of XML command	

### Example

```

<?xml version="1.0">
<MDX version="1.0">
  <SessionReturnCode>0</SessionReturnCode>
  <SessionReturnMessage>OK</SessionReturnMessage>
  <AddJobRecipientResponse>
    <ReturnCode>0</ReturnCode>
    <ReturnMessage>OK</ReturnMessage>
    <JobId>1757</JobId>
    <RecipientId>job-000023</RecipientId>
  </AddJobRecipientResponse>
</MDX>

```

### 1.3 Start Job

This XML command is specifically for ProdSend type applications. Three ProdSend XML commands are used in the creation and submission of a ProdSend type jobs to MDX/BF: **InitiateJob**, **AddJobRecipient** and **StartJob**. This is the final command. It submits the ProdSend job to be executed by DMX/BF. Use this command to start the execution of a ProdSend type job.

XML Command	Description	Examples/permitted values
<?xml version="1.0"?>	The XML version	
<MDX version="1.0">	The MDX XML version code	
<UserName> </UserName>	MDX/BF user name	
<UserPassword> </UserPassword>	MDX/BF user password	
<StartJob>	Start tag for StartJob	
<JobId> </JobId>	The job id previously created by <b>InitiateJob</b> command	
<JobListCount> </JobListCount>	The count of individual recipient (list count) sent for this job. It is used for verification (balance) against the total number of individual items sent via the <b>AddJobRecipient</b> command. For example, if the job is for 35 recipients, the sending application has to set this field to 35.	Integer
</StartJob>	End tag for StartJob	
</MDX>	End of XML command	

#### Example

```
<?xml version="1.0"?>
<MDX version="1.0">
  <UserName>Jim Brown</UserName>
  <UserPassword>abcd</UserPassword>
  <StartJob>
    <JobId>1235</JobId>
    <JobListCount>35</JobListCount>
  </StartJob>
</MDX>
```

### 1.3.1 Return XML message from “StartJob”

XML Command	Description	Examples/permitted values
<?xml version="1.0">	The XML version	
<MDX version="1.0">	The MDX XML start tag	
<SessionReturnCode> </SessionReturnCode>	XML session return code	0=OK; +1=warning; -1=error
<SessionReturnMessage> </SessionReturnMessage>	XML session message	OK= successful
<StartJobResponse>	Start tag for StartJobResponse	
<ReturnCode> </ReturnCode>	Return code	0=OK; +1=warning; -1=error
<ReturnMessage> </ReturnMessage>	Return message	OK= successful
</StartJobResponse>	End tag for StartJobResponse	
</MDX>	End of XML command	

#### Example

```

<?xml version="1.0">
<MDX version="1.0">
  <SessionReturnCode>0</SessionReturnCode>
  <SessionReturnMessage>OK</SessionReturnMessage>
  <StartJobResponse>
    <ReturnCode>0</ReturnCode>
    <ReturnMessage>OK</ReturnMessage>
  </StartJobResponse>
</MDX>

```