

Direct Fax APIs

General Overview

This document provides an overview and method details for the FaxAgent Extended Services. The extended services allow integration with a provisioning system for general user administration tasks.

This reference is divided into the following sections:

Section	Description
S1 Service Invocation Overview	Overview of syntax needed to invoke service methods
S2 Service Data Elements	Field definitions for common elements used in service methods
S3 Service Method Listing	Method listing for supported services grouped by category

S1: Service Invocation Overview

All Service Methods are invoked in a consistent manner using through a database direct stored procedure call or simple socket based request from a tenant approved network location.

Service Method Invocation – Stored Procedure Example

```
declare @IsError int
declare @InputValue int
declare @ResultCode int
declare @ResultInfo nvarchar(250)
declare @ReturnData nvarchar(250)
exec xfax_api_test @IsError, @InputValue, @ResultCode out, @ResultInfo out, @ReturnData out
```

Protocol Option Database stored procedure

Procedure Name xfax_api_test

Input Parameter @IsError – optional input parameter to test result code

Input Parameter @InputValue – optional input parameter to test return data

Output Parameter @ResultCode – optional result code, success = 0, error = non-zero

Output Parameter @ResultInfo – optional result information

Output Parameter @ReturnData – optional return data

Service Method Invocation – Socket Based Example

```
https://fax.example.com/xws/?XM=FaxApi.ApiTest&XSC=ABC&XSK=123&
```

Protocol Option Socket Based Protocol

fax.example.com Server DNS name

XM Parameter Service Method

XSC Parameter Security Context or Tenant Code

XSK Parameter Security key or Tenant API Integration Code

S2: Service Data Elements

The table below lists common field definitions used in service methods.

Header	Type	Values	Sample	Description
TenantCode	String		T1001	Unique tenant code
TenantName	String		TEST	Unique tenant name
TenantUserSuffix	String		newco	User suffix to make tenant username unique
TenantTypeReseller	Int	0,1	0	Option for reseller tenant type
UserName	String		admin	Unique username field
Password	String		changeme	Password field should at least 6 characters

Company	String	NEWCO	General company name
Phone	Int	18005551212	General phone number
Email	String	user@example.com	General email address
Name	String	Test User	General display name
CoverPage	String	C1000	System cover page option
Privilege	String	user	user, support, manager, integration, admin
FaxCSID	String	FAXAGENT	Must be 20 characters max
FaxCallerID	String	8005551234	10 numeric digits typically
FaxAreaCode	Int	858	3 numeric digits typically
CountryCode	Int	1	General country code for tenant
NotifyFlagsSend	Int	0,1,2,3 0	off, send success, send failure, all
NotifyFlagsRecv	Int	0,1,2,3 0	off, recv success, recv failure, all
AttachmentFormat	String	PDF	NONE, TIF, PDF
IsActive	Bool	0,1 0	Flag for active status
IsPrimary	Bool	0,1 0	Flag for primary status
IsMergeDoc	Bool	0,1 0	Flag for merge or cover page document
RoutingDigits	Int	8005551212	Should be up to 18 numeric digits
FaxBridgeDevice	Int	209030400010	Should be 12 digits and start with 2 and ends with 0
PortNumber	Int	1	FaxBridge port number – usually 1
BillingCode	String	1000	General billing code for reporting if needed
BillingStatementDay	Int	1	General billing statement day for reporting if needed
BillingStartYear	Int	2001	General billing start year for reporting if needed
BillingStartMonth	Int	1	General billing start month for reporting if needed
ChargeCode	String	1234	General charge code for reporting if needed

S3: Service Method Listing

Detailed specifications for service methods are provided below.

Test Methods – Available for Testing Connectivity and Error Handling

Method Name	Parameters	Description
FaxAdmin.ApiTest <i>xfax_api_test</i>	IsError InputValue	Used to test connectivity and API protocol handshaking Set IsError = 1 to generate an error response InputValue will be included in Response headers and XML payload <i>ReturnData</i> field
FaxAdmin.VersionInfo <i>xfax_api_test_versionInfo</i>		Returns the application version information and build number
FaxAdmin.QueryUserInfo <i>xfax_api_query_userInfo</i>	UserName	Test function to query user profile information
FaxAdmin.QueryUserRoutes <i>xfax_api_query_userRoutes</i>	UserName	Test function to query user routing information
FaxAdmin.QueryUserFaxBridge	UserName	Test function to query user faxbridge information

xfax_api_query_userFaxBridge

FaxAdmin.QueryFaxBridgeInfo

FaxBridgeDevice Test function to query user faxbridge information

xfax_api_query_faxBridgeInfo

Fax Administration Methods – User Management [all fields required unless marked optional]

Method Name	Parameters	Description
	TenantCode UserName Password IsActive IsPrimaryAdmin	
FaxAdmin.UserAdd <i>xfax_api_user_add</i>	Email Phone Fax FirstName LastName DisplayName Company ExternalID ExternalRef	Add new user to specified tenant Required fields = TenantCode, UserName, Password Set optional fields to NULL if not needed
FaxAdmin.UserModifyInfo <i>stored procedure not available</i>	UserName Company Phone FirstName LastName DisplayName Email CoverPage FaxCSID FaxCallerID FaxAreaCode	Modify user information UserName required – other fields optional FaxCSID = 20 characters max FaxCallerID = 10 numeric digits typically FaxAreaCode = 3 numeric digits typically Skip fields to bypass updating current value Set fields to blank to unset current value
FaxAdmin.UserModifyCompany <i>xfax_api_user_modifyCompany</i>	UserName Company	Modify user company name
FaxAdmin.UserModifyPhone <i>xfax_api_user_modifyPhone</i>	UserName Phone	Modify user phone number
FaxAdmin.UserModifyName <i>xfax_api_user_modifyName</i>	UserName First Name Last Name Display Name	Modify user display name
FaxAdmin.UserModifyCoverPage <i>xfax_api_user_modifyCoverPage</i>	UserName CoverPage	Set cover page for user CoverPage = Valid name of tenant cover page

FaxAdmin.UserModifyPrivilege	UserName Privilege	Modify User Privelege Privilege = user, support, manager, integration, admin
<i>xfax_api_user_modifyPrivilege</i>		
FaxAdmin.UserModifyFaxCSID	UserName FaxCSID	Modify user fax csid FaxCSID = 20 characters max
<i>xfax_api_user_modifyFaxCSID</i>		
FaxAdmin.UserModifyFaxCallerID	UserName FaxCallerID	Modify user fax caller id FaxCallerID = 10 numeric digits typically
<i>xfax_api_user_modifyFaxCallerID</i>		
FaxAdmin.UserModifyFaxAreaCode	UserName FaxAreaCode	Modify user fax area code FaxAreaCode = 3 numeric digits typically
<i>xfax_api_user_modifyFaxAreaCode</i>		
FaxAdmin.UserModifyPrimaryEmail	UserName EmailAddress NotifyFlagsSend NotifyFlagsRecv AttachmentFormatSend AttachmentFormatRecv	Modify primary email notification NotifyFlagsSend = 0, 1, 2, 3 NotifyFlagsrecv = 0, 1, 2, 3 AttachmentFormat = NONE or PDF
<i>xfax_api_user_modifyPrimaryEmail</i>		
FaxAdmin.UserModifyPrimarySms	UserName SmsAddress NotifyFlagsSend NotifyFlagsRecv	Modify primary sms notification NotifyFlagsSend = 0, 1, 2, 3 NotifyFlagsrecv = 0, 1, 2, 3
<i>xfax_api_user_modifyPrimarySms</i>		
FaxAdmin.UserModifyActive	UserName IsActive	Modify user active status IsActive = 0 or 1
<i>xfax_api_user_modifyActive</i>		
FaxAdmin.UserModifyBillingConfig	UserName BillingCode BillingStatementDay BillingStartYear BillingStartMonth	Modify billing configuration UserName required – other fields optional
<i>xfax_api_user_modifyBillingConfig</i>		
FaxAdmin.UserModifyFaxBridge	UserName FaxBridgeDevice FaxBridgePort NotifyFlagsSend NotifyFlagsRecv UpdateSchedule ScheduleDayMask ScheduleStartTime ScheduleEndTime	Modify faxbridge configuration options FaxBridgeDevice = primary device for received faxes If FaxBridgeDevice is NULL then current assignment is used If FaxBridgePort is NULL then current assignment is used NotifyFlagsSend: 0 = do not print send confirmations 1 = print confirmation after faxes sent NotifyFlagsRecv: 0 = do not deliver received faxes to device 1 = deliver received faxes to device always 2 = deliver received faxes to device based on schedule
<i>xfax_api_user_modifyFaxBridge</i>		

UpdateSchedule: optional if NotifyFlagsRecv is not 2
 0 = do not use schedule for received fax notification
 1 = use schedule for received fax notification

ScheduleDayMask: optional if NotifyFlagsRecv is not 2
 1=Mon, 2=Tue, 4=Wed, 8=Thu, 16=Fri, 32=Sat, 64=Sun

ScheduleStartTime: optional if NotifyFlagsRecv is not 2
 24 hour format for schedule start time – HHMM

ScheduleEndTime: optional if NotifyFlagsRecv is not 2
 24 hour format for schedule start time – HHMM

FaxAdmin.UserDelete

UserName

Delete user in system

xfax_api_user_delete

Fax Administration Methods – User Quota Management [all fields required unless marked optional]

Method Name	Parameters	Description
FaxAdmin.UserQuotaDefaultSet <i>xfax_api_user_quotaDefaultSet</i>	UserName QuotaPages	Set user default monthly page quota
FaxAdmin.UserQuotaMonthlyAdd <i>xfax_api_user_quotaMonthlyAdd</i>	UserName QuotaPagesToAdd ApplyToDate	Add pages to user quota for the billing period of the specified date If ApplyToDate is empty, pages will be added to current billing period
FaxAdmin.UserQuotaMonthlySet <i>xfax_api_user_quotaMonthlySet</i>	UserName QuotaMonthlyPages ApplyToDate	Sets the page quota for the billing period of the specified date If ApplyToDate is empty, quota will be set on current billing period
FaxAdmin.UserQuotaModifyEnabled <i>xfax_api_user_quotaModifyEnabled</i>	UserName IsEnabled	Change user quota checking status IsEnabled = 0 or 1

Fax Administration Methods – Fax Route Management [all fields required unless marked optional]

Method Name	Parameters	Description
FaxAdmin.FaxRouteAdd <i>xfax_api_faxRoute_add</i>	RoutingDigits TenantCode IsActive	Add fax route for user IsActive = 0 or 1
FaxAdmin.FaxRouteDelete <i>xfax_api_faxRoute_delete</i>	Routing Digits	Delete Fax Route

FaxAdmin.FaxRouteRemoveAllUsers	Routing Digits	Remove fax route user assignments
<i>xfax_api_faxRoute_removeAllUsers</i>		
FaxAdmin.FaxRouteManagerAssign	Routing Digits	Assign fax route manager
<i>xfax_api_faxRoute_managerAssign</i>	TenantCode	
FaxAdmin.FaxRouteOwnerAssign	Routing Digits	Assign fax route owner
<i>xfax_api_faxRoute_ownerAssign</i>	TenantCode	
FaxAdmin.FaxRouteOwnerUnAssign	Routing Digits	Unassign fax route owner
<i>xfax_api_faxRoute_ownerUnAssign</i>		
FaxAdmin.FaxRouteUserAssign	Routing Digits	Assign fax route user
<i>xfax_api_faxRoute_userAssign</i>	UserName	Removes all other users assigned to the fax route
	IsPrimary	IsPrimary = 0 or 1
FaxAdmin.FaxRouteUserAdd	Routing Digits	Assign fax route user
<i>xfax_api_faxRoute_userAdd</i>	UserName	Other users assigned to fax route are not changed
	IsPrimary	IsPrimary = 0 or 1
	IsBillingUser	IsBillingUser = 0 or 1
FaxAdmin.FaxRouteSetBillingUser	Routing Digits	
<i>xfax_api_faxRoute_setBillingUser</i>	UserName	Set fax route billing user
FaxAdmin.FaxRouteUserDelete	Routing Digits	
<i>xfax_api_faxRoute_userDelete</i>	UserName	Remove fax route user assignment
FaxAdmin.FaxRouteUserModifyPrimary	Routing Digits	
<i>xfax_api_faxRoute_userModifyPrimary</i>	UserName	Set fax route primary user
	IsPrimary	IsPrimary = 0 or 1
FaxAdmin.FaxRouteModifyActive	Routing Digits	Set fax route active flag
<i>xfax_api_faxRoute_modifyActive</i>	IsActive	IsActive = 0 or 1

Fax Administration Methods – FaxBridge Management [all fields required unless marked optional]

Method Name	Parameters	Description
FaxAdmin.FaxBridgeAdd	FaxBridgeDevice	Add faxbridge to system
<i>xfax_api_faxBridge_add</i>	TenantCode	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
	Ports	Ports = 1, 2, 3, 4
	IsActive	IsActive = 0 or 1
	CountryCode	CountryCode = optional
	AreaCode	AreaCode = optional
FaxAdmin.FaxBridgeDelete		Delete faxbridge from system
<i>xfax_api_faxBridge_delete</i>	FaxBridgeDevice	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
FaxAdmin.FaxBridgeManagerAssign	FaxBridgeDevice	Set faxbridge manager
<i>xfax_api_faxBridge_managerAssign</i>	TenantCode	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)

FaxAdmin.FaxBridgeOwnerAssign	FaxBridgeDevice	Set faxbridge owner
<i>xfax_api_faxBridge_ownerAssign</i>	TenantCode	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
FaxAdmin.FaxBridgeOwnerUnassign		Unassign faxbridge owner
<i>xfax_api_faxBridge_ownerUnassign</i>	FaxBridgeDevice	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
FaxAdmin.FaxBridgePortAssign	FaxBridgeDevice	Assign faxbridge port to user
<i>xfax_api_faxBridge_portAssign</i>	PortNumber	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
	UserName	
FaxAdmin.FaxBridgePortUnassign		Unassign faxbridge port
<i>xfax_api_faxBridge_portUnassign</i>	FaxBridgeDevice	FaxBridgeDevice = 12 digit number on bottom of unit (starts with 2)
	PortNumber	PortNumber = 1, 2, 3, 4
FaxAdmin.FaxBridgeModifyActive	FaxBridgeDevice	Set faxbridge active status
<i>xfax_api_faxBridge_modifyActive</i>	IsActive	IsActive = 0 or 1

Fax Administration Methods – Tenant Management [all fields required unless marked optional]

Method Name	Parameters	Description
FaxAdmin.TenantAdd	ParentTenantCode NewTenantCode NewTenantName NewTenantUserSuffix NewTenantAdminPwd NewTenantTypeReseller	Add new tenant to the system NewTenantTypeReseller = 0 or 1
<i>xfax_api_tenant_add</i>		
FaxAdmin.TenantModifyInfo	TenantCode TenantName Description CoverPage BillingCode FaxLocalCSID FaxLocalNumber	Modify tenant information TenantCode and TenantName required, other fields optional FaxLocalCSID = 20 characters max FaxLocalNumber = 10 numeric digits typically Skip fields to bypass updating current value Set fields to blank to unset current value
<i>stored procedure not available</i>		
FaxAdmin.TenantModifyCoverPage	TenantCode CoverPage	Modify tenant cover page
<i>xfax_api_tenant_modifyCoverPage</i>		
FaxAdmin.TenantModifyActive	TenantCode IsActive	Modify tenant active status IsActive = 0 or 1
<i>xfax_api_tenant_modifyActive</i>		
FaxAdmin.TenantModifyBillingCode	TenantCode BillingCode	Modify tenant billing code
<i>xfax_api_tenant_modifyBillingCode</i>		
FaxAdmin.TenantModifyUserSuffix	TenantCode UserSuffix	Modify tenant user suffix
<i>xfax_api_tenant_modifyUserSuffix</i>		
FaxAdmin.TenantModifyFaxLocalCSID	TenantCode LocalCSID	Modify tenant fax local csid LocalCSID = 20 characters max

<i>xfax_api_tenant_modifyFaxLocalCSID</i>	FaxAdmin.TenantModifyFaxLocalCallerID	TenantCode LocalCallerID	Modify tenant fax local number LocalCallerID = 10 numeric digits typically
<i>xfax_api_tenant_modifyFaxLocalCallerID</i>	FaxAdmin.TenantModifyFaxLocalNumber	TenantCode LocalNumber	Modify tenant fax local number LocalNumber = 10 numeric digits typically
<i>xfax_api_tenant_modifyFaxLocalNumber</i>	FaxAdmin.TenantModifyFaxAreaCode	TenantCode AreaCode	Modify tenant fax area code AreaCode = 3 numeric digits typically
<i>xfax_api_tenant_modifyFaxAreaCode</i>	FaxAdmin.TenantModifyFaxCountryCode	TenantCode CountryCode	Modify tenant fax country code
<i>xfax_api_tenant_modifyFaxCountryCode</i>	FaxAdmin.TenantDelete	TenantCode	Delete tenant and all associated users in the system
<i>xfax_api_tenant_delete</i>			

Fax Administration Methods – Search Options [all fields required unless marked optional]

Method Name	Parameters	Description
FaxAdmin.FaxSearch	TenantCode UserName OutputLevel Maxrows FilterDate PageSetLastId IncInbound IncOutbound IncSuccess IncFailed IncProcessing IncDeleted RunTraceMode	Search for fax transmissions TenantCode or UserName is required OutputLevel = level of output data returned (1-9) MaxRows = max number of rows returned (default = 500) FilterDate = date and time to drive search (default = end of today) PageSetLastId = last transmission id from previous page set IncInbound = 0 or 1 IncOutbound = 0 or 1 IncSuccess = 0 or 1 IncFailed = 0 or 1 IncProcessing = 0 or 1 IncDeleted = 0 or 1 RunTraceMode = 0 or 1
<i>xfax_api_fax_search</i>		
FaxAdmin.FaxInfo	TransmissionId	Search for fax transmission detail
<i>xfax_api_fax_info</i>		
FaxAdmin.FaxRecordDelete	RecordId	Delete fax based on record identifier returned from search
<i>xfax_api_fax_recordDelete</i>		
FaxAdmin.FaxRecordPurge	RecordId	Delete fax based on record identifier returned from search
<i>xfax_api_fax_recordPurge</i>		