



**Network Management**  
User Documentation

**TMF615 API  
Reference Guide**

Version 7.13.2



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## TMF615 API

Service provider environments are comprised of multi-vendor networks that are managed using various Operations Support Systems (OSS). Service Providers (SP) require a utility to unify the user management operations across these various OSS.

The TMF615 specification defines an interface for SPs to consistently provision users' access rights and privileges across the system in a secure manner.

As an OSS, the Iris system supports the TMF615 interface through the Unified User Management System (UUMS). [Figure 1](#) shows the UUMS architecture and data flows. TMF615 is a purchasable option that is only supported when the Iris LDAP is implemented; it is not supported when an existing corporate LDAP is implemented. Contact Tektronix for details.

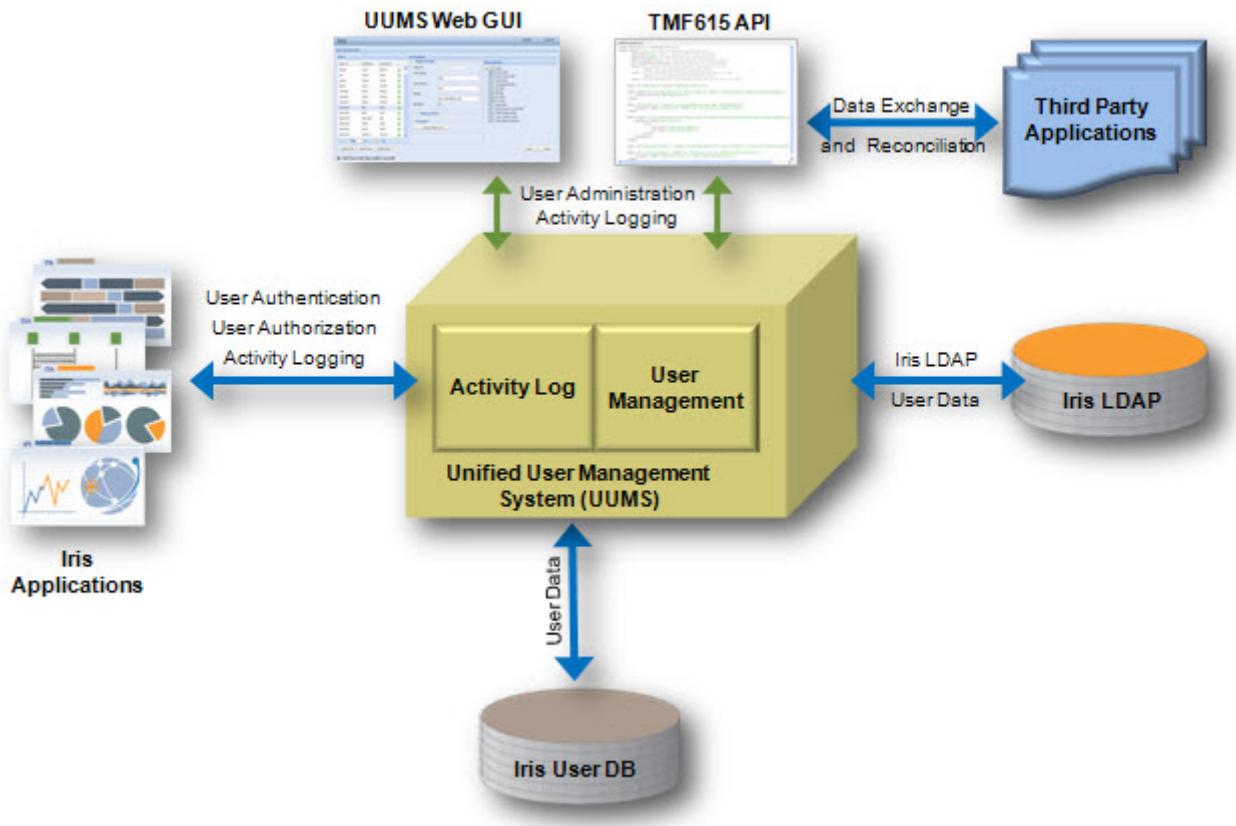


Figure 1 UUMS Architecture

## TMF615 API SECURITY AND AUTHENTICATION

TMF615 operations are performed over a Simple Object Access Protocol (SOAP) Web Service between UUMS and the third-party application using a secure HTTPS connection. UUMS supports only secure (HTTPS) connections; connection attempts over an unsecure channel (HTTP) will receive an HTTP status code 302 redirect to the secure channel.

The UUMS TMF615 interface requires authentication using BASIC HTTP authentication. Each stateless request must be authenticated or it is rejected with HTTP status code 401: Unauthorized.

## TMF615 API WORKFLOW

The following steps describe the workflow for using the TMF615 API. Refer to Telecom OSS Operator User Management Information Agreement Release 1.1 ([www.tmforum.org](http://www.tmforum.org)) for details on using the TMF615 API.

1. Access the URL Tektronix provides for the TMF615 API: `https://servername:port/uumWeb/TMF615` (servername:port is the server and port on which UUMS resides).
2. Login using the TMF615 API user ID and password as provided by Tektronix for API authentication.
3. Define any role groups in UUMS that are required for use in connection with TMF615 prior to using the API. The UUMS role group names must exactly match the role group names in the TMF615 API.
4. Perform remote user administration using the UUMS Supported TMF615 Operations.

## UUMS SUPPORTED TMF615 OPERATIONS

The Iris system supports a subset of the operations described in TMF615 version 1.7. The following section provides information on the operations supported by UUMS. All TMF615 operations are logged in the UUMS Activity Log. You access the Activity Log from the Admin button on the IrisView toolbar.

Request	Function
lookupRequest	Retrieves a user's data from UUMS. The data returned should match what was previously provisioned.
addRequest	Creates a new user in UUMS. Provisions a user identity with a single account on the specified target (TMF615 resource). Multiple accounts on the same target are currently not handled by this implementation.
modifyRequest (MUST)	Updates an account for a user identity on the specified target (TMF615 resource). It is assumed that the modify request contains a single account request that completely replaces the existing account data.
deleteRequest (MUST)	Entirely removes a user identity from the specified target, including all corresponding accounts.
listUsersRequest	Used by IDM to retrieve a list of all users in the resource, which can be used for reconciliation. (Only used in the variant, that no psoid(s) are passed => all users).
activeRequest	Fetches the current status of whether the user's account is active.
suspendRequest	Sets the account status of the user identifier to suspend in the specified target.

resumeRequest	Sets the account status of the user identifier to active in the specified target.
setPasswordRequest	Sets the password of the user to what you define.
expirePasswordRequest	Expires the password of the user so that it may no longer be used.
resetPasswordRequest	Resets the password to a random value and marks it for needing reset.
validatePasswordRequest	Validates a password.