

# IdF Advanced Adapters | IBM Tivoli Edition

Bridging the Identity Divide



## Features

- Platform Native Based Technology
- Native Authorization | Authentication
- Bi-Directional User Profile Synchronization
- Real-Time Reconciliation
- Password Management
- Resource Management (Data Sets & General Resources)
- Alias Management
- Role Management
- System Management
- Enhanced Performance
- Enhanced Data Recovery
- Extend custom / legacy applications

## IdF Advanced Adapter Suite

- Advanced Adapter for CA – ACF2
- Advanced Adapter for CA – Top Secret
- Advanced Adapter for IBM – RACF
- Advanced Adapter for IBM – i5

## IdF Adapter Editions

- Enterprise
- Standard
- Express

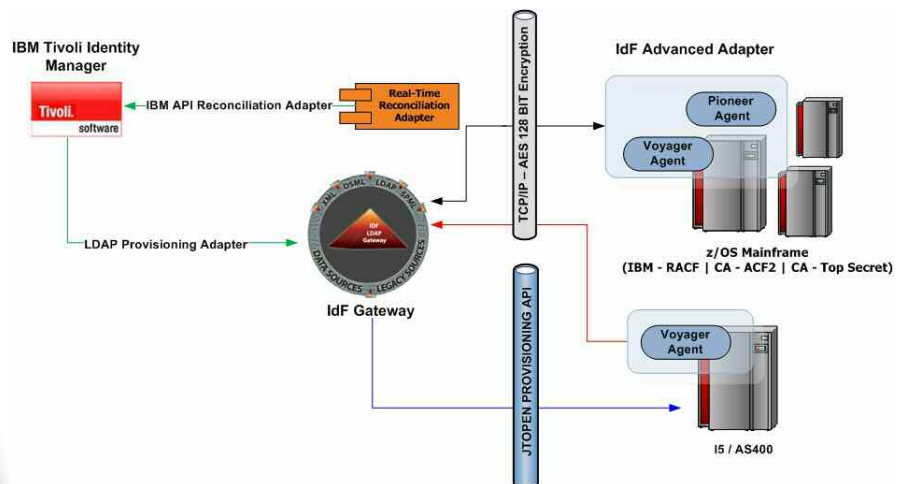
IdF Advanced Adapters | IBM Tivoli Edition provide enterprise class support for mainframe and midrange systems. The technology built on JAVA utilizing LDAP v.3 standard, works in concert with IdF's Advanced Adapter series. The solution enables IBM Tivoli Identity Manager to use the host system either as a managed (target) resource or as an authoritative (trusted) source of user information.

IdF Advanced Adapters compliments IBM Tivoli Identity Manager (ITIM) & IBM Tivoli Directory Integrator (ITDI) by providing native support for the bi-directional administration of user profiles, administration of fine grain authorization of data sets, resource profiles and batch jobs. The relationship also provides reconciliation services, synchronization services and password management between IdF Adapters and ITIM.

The IdF IBM Tivoli Edition of Advanced Adapters are tightly integrated with IBM Identity Manager pre-packaged and "Ready to Go". The IBM Tivoli Edition allows IBM Tivoli Identity Manager to reconcile real-time for ease of population of host based system id's and profiles.

The IdF Advanced Adapter is comprised of two components, the Pioneer and Voyager Agents. Both agents work together with the IdF Gateway allowing the mainframe to communicate natively with the IBM Tivoli Identity Manager. This elegant design provides the seamless communication between the two systems.

Figure 1. IdF IBM Tivoli Edition Architecture



### IdF Pioneer Agent

The Pioneer (provisioning) agent receives Identity and Authorization change events, effectuating requested changes upon the target system. The Pioneer agent is a mainframe installed component that executes native requests that are sent from Tivoli Identity Manager and Tivoli Directory Integrator.

### IdF Voyager Agent

The Voyager (reconciliation) agent sends real-time notification events of user profile changes to Tivoli Identity Manager and/or Tivoli Directory Integrator from the target host system. The agent detects events such as user addition and deletion and changes in status, attribute, group membership and password.



## User Management

- Create, modify, or delete mainframe user
- Set one-time-use password (Administration Reset)
- Change password (Self service change) **ADVANCED**
- Revoke, resume, or disable user
- List user information
- Add or remove user from group/profile
- Add or remove user to General Resource Profile **ADVANCED**
- Associate users to groups
- Authorize or Un-Authorize use of resources, facilities and data sets **ADVANCED**
- Detect and report native delete user **ADVANCED**
- Detect and report native revoke user status **ADVANCED**
- Detect and report native resume status **ADVANCED**
- Detect and report native changes to user attributes **ADVANCED**

## Group | Profile Management

- Add Group/Profile
- Remove Group/Profile
- List Profile (Including User Membership)
- Assign or Un-Assign User Membership (Multiple Users)
- Detect and report native group membership changes **ADVANCED**

## Password Management

- Change password (Self service change) **ADVANCED**
- Resume (reset) password
- Replace password
- Detect native password change **ADVANCED**
- Synchronize native password in real-time **ADVANCED**

## Role Management

- Search all group / roles (including membership) **ADVANCED**
- Query all user memberships **ADVANCED**
- Detect native role changes **ADVANCED**

## System Management

- Alias Management **ADVANCED**
- Provision of resource profiles (datasets, DASD volumes, tape volumes, load modules) **ADVANCED**
- Assign or Un-Assign user membership or ownership to resource profiles **ADVANCED**
- Retrieve resource profile information **ADVANCED**

## Connection & Security

- Authentication or authorization
- Passing messages to / from mainframe from are AES Encrypted
- Detect and report native user logon or authentication (by user logon, TSO command line or batch jobs) **ADVANCED**

## Transaction Management & Scalability

- Use of memory sub-pools for event processing **ADVANCED**
- Processing in native commands **ADVANCED**
- Ability to store transactions for communication or system failure recovery **ADVANCED**
- Capture of mainframe initiated change events to meet compliance requirements **ADVANCED**

## Extensibility

- Ability to integrate with Security Manager custom attributes **ADVANCED**
- Ability to provision to custom applications **ADVANCED**

## System Requirements

IBM Tivoli Platform Requirements:

- IBM Tivoli Identity Manager 4.6 or above
- IBM Tivoli Directory Integrator 6.1 or above

IBM Mainframe OS Requirements:

- OS/390
- z/OS 1.6 – 1.9

Security Managers:

- RACF on z/OS
- CA-ACF2 on z/OS 6.2 – 12.x
- CA-Top Secret on z/OS 5.2 – 12.x

IBM i5 OS Requirements:

- IBM-i5/OS R5V2 or greater

## For More Information

To learn more about Identity Management solutions for mainframe and midrange systems please visit us at [www.identityforge.com](http://www.identityforge.com).