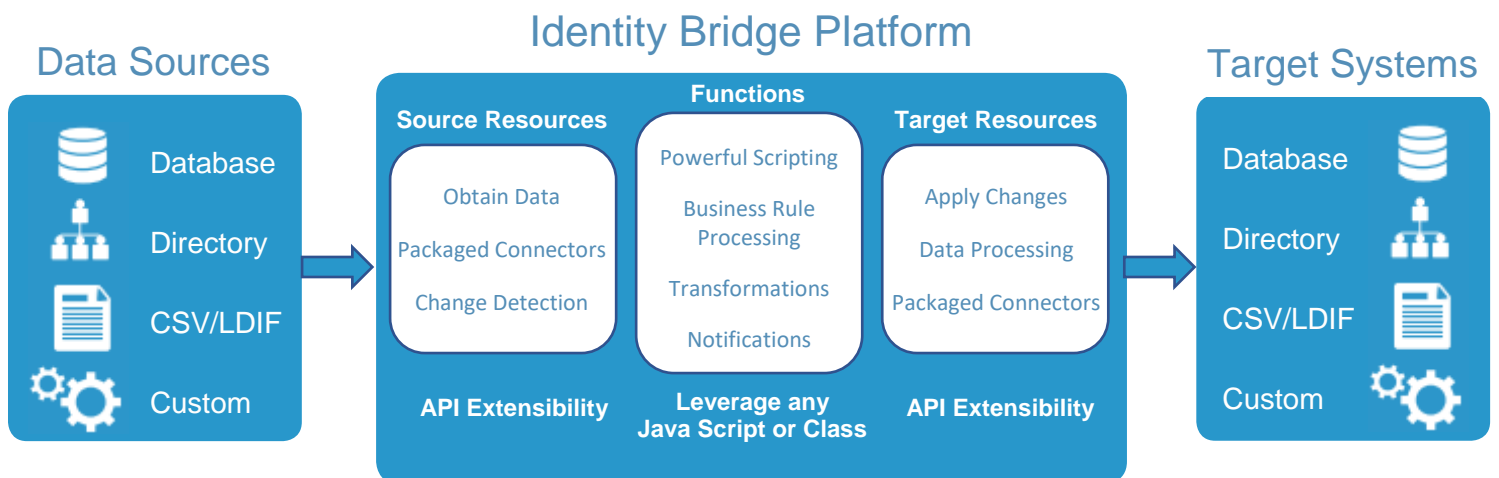


Identity Provisioning for On Premises and Cloud Services

Identity Bridge

The ViewDS Identity Bridge platform brings power and simplicity to the process of synchronizing and provisioning identities across enterprise systems. Identity Bridge minimizes the time and effort required to migrate and synchronize identities across existing enterprise repositories, and allows easy connectivity with cloud services adopted by the enterprise.



Change detection and delta processing

Change log support ensures that only modified entries are retrieved from data sources. Identity Bridge will integrate with critical systems, such as Active Directory, efficiently without imposing excessive loads.

Delta processing allows Identity Bridge to maintain an efficient record of what exists within a target system. This allows Identity Bridge to rapidly evaluate whether changes need to be applied to a target system.

Without change log and delta processing, identity synchronization is a slow and intensive process.

Scalability and high performance are achieved through rapid change detection and delta processing

Incorporate business rules into identity provisioning

Every Identity Bridge synchronization project can incorporate a processing stage, whereby any custom scripting logic can be applied.

Typically, this processing stage is used to transform, normalize or manipulate information prior to it being provisioned into its destination. This processing can be used to enforce business rule processing that may result in notifications, alerts and altered synchronization behavior.

Identity Bridge can be used to observe identity data and trigger notifications or conditional synchronization behavior

Maintain identities across security boundaries

With the growing adoption of cloud services, organizations find themselves deploying DMZ software that requires access to internal identity information. Quite often firewall rules are relaxed to allow internal identity stores to be accessed by DMZ applications.

Identity Bridge makes it easy for organizations to have a DMZ identity store that is automatically synchronized with a small subset of identity information. This allows a read only identity store to exist in a less secure domain.

Identity Bridge allows identity information to be moved across security domains in a secure and flexible manner

Transfer and synchronize data between multiple internal repositories	Modular architecture to support future extensibility	Cost effective solution to a fundamental organizational need
High performance and scalability	Platform independence	Powerful scripting interface

Transfer and synchronize identities into cloud services

Enterprises are increasingly making use of cloud services to replace traditional on-premises solutions. Each cloud service has adopted a unique strategy for identity provisioning and synchronization. Some require identities to be supplied in CSV files while others make use of web services.

Identity Bridge is a platform that allows customized connectors to be developed by the end user and used instantly by Identity Bridge at runtime without requiring any product updates or changes.

Cloud service integration can be achieved through the implementation of customized connectors using Identity Bridge's extensible connector platform

Transfer and synchronize identities between enterprise repositories

Synchronizing and provisioning users across on premises enterprise applications is a basic requirement that all organizations have. Identity Bridge comes prepackaged with connectors for commonly used identity systems such as directories, databases, and LDIF, CSV and Fixed Width file formats.

Identity Bridge provides identity synchronization in an automated and cost-effective manner for small and large-scale organizations, without requiring the organization to invest in a large-scale identity solution



Allow information to be located close to its point of access

There are many benefits to data duplication. The ability to duplicate and synchronize information within an organization allows information to be brought closer to the applications that will be accessing it. This offers significant performance and availability benefits.

Data duplication is only a problem when you rely upon manual processes to maintain data.

Identity Bridge makes data duplication acceptable within an organization. Data synchronization is automated, ensuring no administrative or manual overheads

Easy to use interface

Identity Bridge makes synchronization and provisioning tasks easy to configure and understand.

The Identity Bridge user interface provides a unique blend of simple wizard driven interfaces with technical development interfaces for more advanced processing.



```
Project : Employee Synchronization | Employee Synchronization.js | Source |
1 function assignDn(rec)
2 {
3   // Assigns new dn using dn_base and the cn from the record
4   var dn_base = ",ou=New Users,o=ViewDS";
5   rec['dn'] = 'cn=' + rec['cn'][0] + dn_base;
6
7   // Add objectclass to record
8   rec['objectClass'] = new Array( "top", "person", "organizationalPerson" );
9
10  // return the updated record
11  return rec;
12 }
```

Access Sentinel integration

Access Sentinel is a policy based authorization solution provided by ViewDS. Access Sentinel uses the industry standard XACML to define authorization policies. Access Sentinel allows applications to externalize their access control decisions, removing the need for access control models to be hard coded into applications. In the case of Identity Bridge, this allows provisioning rules to be defined within policy rather than scripted within a synchronization process.

Within Identity Bridge's processing stage, an Access Sentinel java library can be invoked to communicate with Access Sentinel and obtain an access control decision.

XACML integration allows Identity Bridge to be used in a scalable manner to determine whether an identity is entitled to be provisioned into a given service, or whether aspects of an identity's information should be synchronized into a given data store.

Access Sentinel integration allows Identity Bridge to perform context specific provisioning and synchronization, as determined by an externalized authorization service