

Single Sign-on Setup Information

OVERVIEW

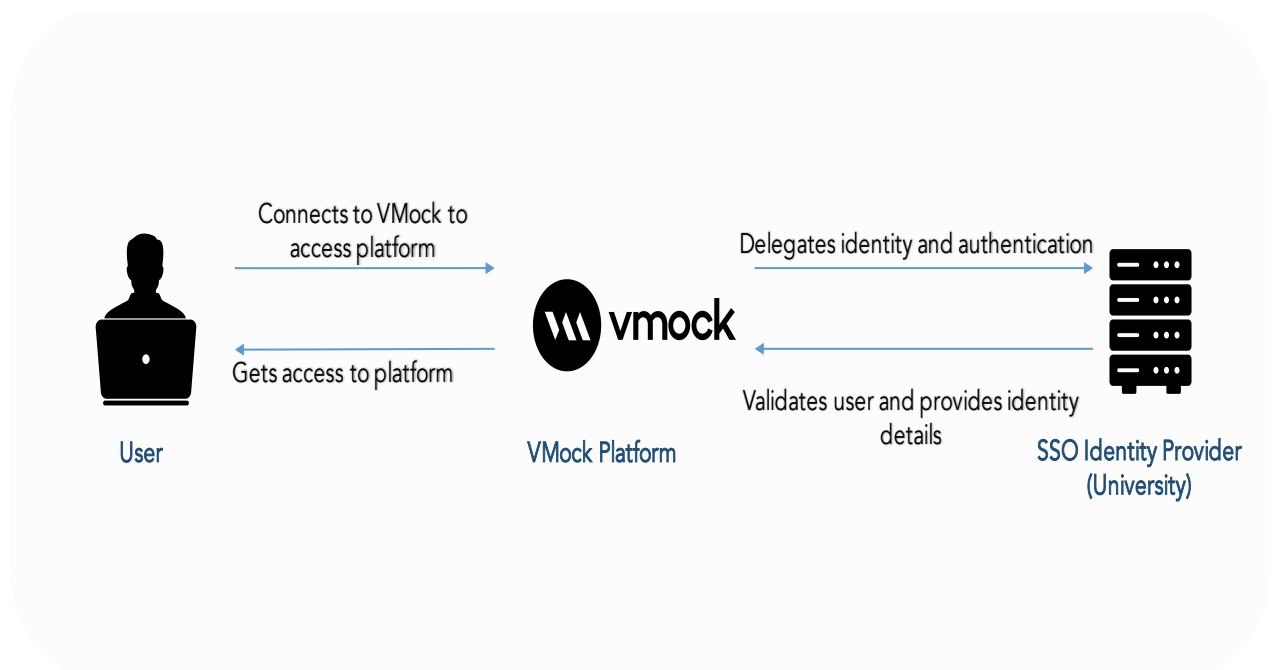
Shibboleth based Single Sign-on Implementation through SAML

SAML is an XML based standard for web browser based Single Sign-on that eliminates the requirement for the creation of users and passwords specifically for the VMock platform for our clients.

SAML uses single-user digital tokens to exchange authentication and authorization data between the VMock Platform and the Single Sign-on (SSO) Service Provider that have established a trust relationship.

SAML Setup

There are three parties to the SSO setup: user, identity provider and the VMock Platform.



Benefits of SSO using SAML

- Identity Management resides with client
- Security using signed digital certificates and Public Key Infrastructure (PKI)
- Eliminates password theft/reuse thereby increasing security
- Open standards are interoperable with different cloud application service providers

CONFIGURATION AND SETUP

SSO Configuration Information

SSO Client	Shibboleth
SSO Version	SAML 2.0
Web Server	Apache
Programming Language	PHP

Setup Information

1. Users are not required to be pre-provisioned. Local user records and attributes are created when user logs on to the service for the first time.
2. The Shibboleth IdP is required to provide an entitlementID with every provisioned student which will be checked by the Shibboleth SP at VMock.
3. User information such as name and email id, provided with the authentication request is retained within the system. This is never shared with other users.

VMock Metadata Links

Test Environment	https://shibbodev.vmock.com/Metadata/Vmock-test-metadata.xml
Production Environment	https://shibbo.vmock.com/Metadata/Vmock-production-metadata.xml

Note: InCommon members can obtain the Metadata from the site.

Attribute Requirements

In order for the VMock Platform to integrate with the SSO of the Institution, the following attributes will be required to flow in through SSO:

Attribute	Explanation
Unique Identifier	An identifier that is unique to every student in the platform (e.g. University ID). If any of the other attributes provided is unique then this field is not required.
First Name	First Name of the student is utilized for account setup
Last Name	Last Name of the student is utilized for account setup
Email ID	Email ID of the student is utilized for account setup and communication
Class Year	Year of student enrollment is utilized for benchmarking purposes

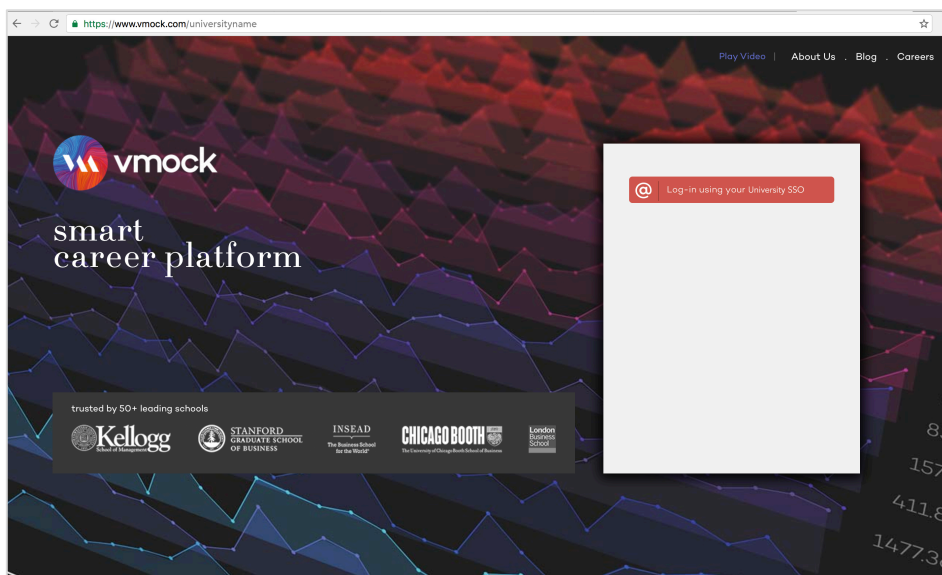
Degree	The degree field is utilized for benchmarking purposes
Major	The academic major is utilized for benchmarking purposes
Graduation Year	Graduation Year field is used as a first level filter for removing graduated students from the system

Note: Additional attributes could be requested based on benchmarks and tags required by the University.

IMPLEMENTATION DETAILS

Implementation Details for University

1. Service URL: <https://www.vmock.com/<UniversityName>>
Each University will be provided with a unique URL on the VMock site. This URL will provide the user with the ability to log-in using the SSO provided by the University,

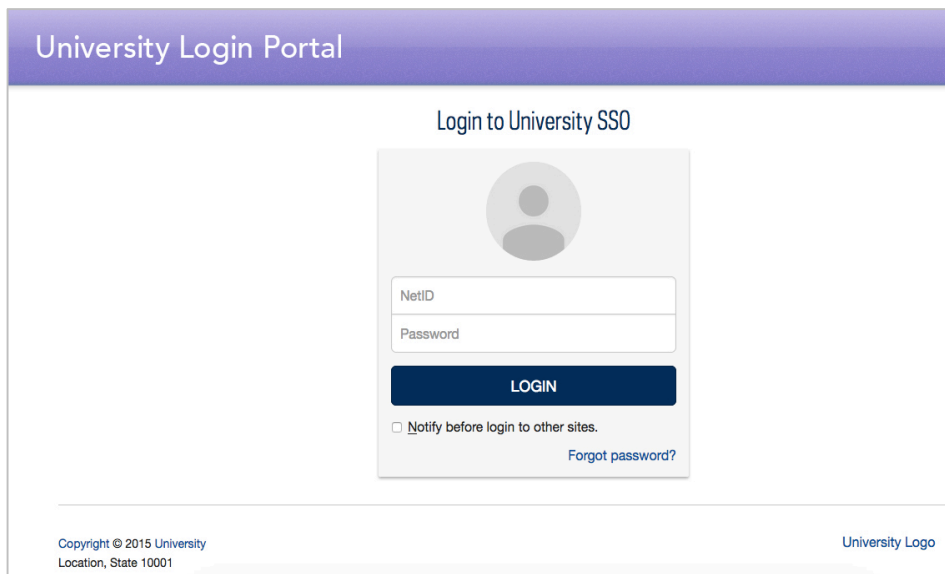


2. When the user clicks on 'Log-in using University SSO' link, the request goes to VMock's Shibboleth Service Provider (SP)

```
[https://shibbo.vmock.com/vmock/shib/Shibboleth.sso/Login?entityID=<universityIdP>&target=https://shibbo.vmock.com/vmock/shib/index.php?return=https://www.vmock.com/<universityname>]
```

Note:<universityIdP> is the entity ID to map the request to the IdP of the University and <UniversityName> is the unique identifier as mentioned in point 1.

3. The user will be redirected to the SSO page of the University.



University Login Portal

Login to University SSO

NetID

Password

LOGIN

☐ Notify before login to other sites.

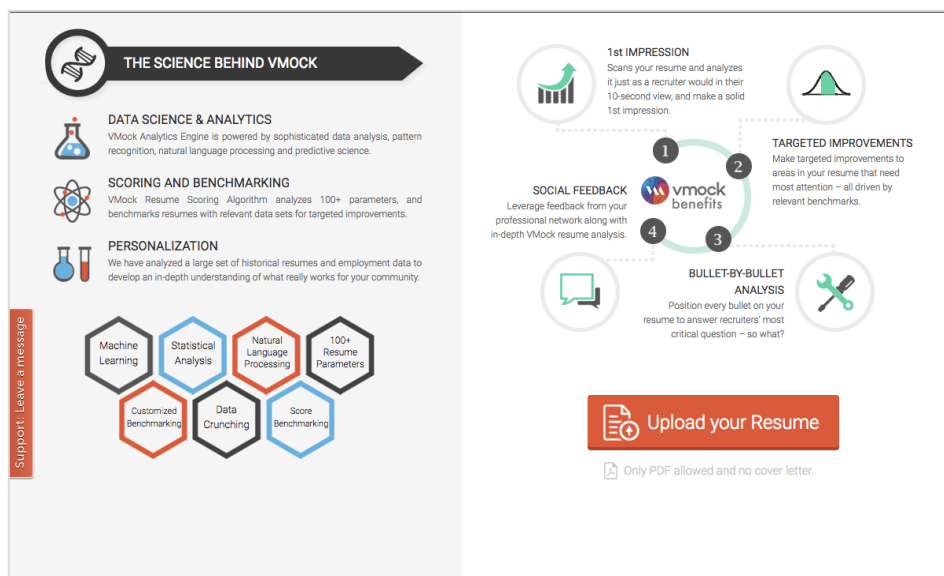
[Forgot password?](#)

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University Logo

- After successful authentication, the IdP releases user's attributes to VMock SP
[<https://shibbo.vmock.com/vmock/shib/index.php>]

- Based on the attributes received by VMock SP, it creates a successful login session and redirect the user inside VMock product service



- When the user logout from VMock, the request goes to VMock SP to destroy the user's Shibboleth SSO and log them out from VMock sessions.

[<https://shibbo.vmock.com/vmock/shib/Shibboleth.sso/Logout?return=https://www.vmock.com/<UniversityName>>]

Steps in Integration Process

S.No.	Step	Assigned
1	Agree on the VMock Service URL and attributes to be asserted	VMock/ University
2	Provide University Metadata to VMock	University
3	University uses Metadata provided in the Metadata links section	University
4	Provide permissions to VMock test and production SPs to use University's test and production IdPs	University
5	Provide test accounts for test and production servers	University
6	Based on if test servers are available, test Shibboleth Integration performed	VMock/ University
7	Launch for production server	VMock/ University

Note: The steps listed above do not take into account product customization timelines