sudClass URLS

WebRTC Virtual Classroom PLatform

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# Types of URLS

The following lists the types of class URLs VC sub-system would create and honor. The details on these follow in the subsequent sections.

|  |  |  |
| --- | --- | --- |
| URL Type | Contains | Comments |
| Named URL | Contains auth\_via of SSO’s we support | Only Wiziq people will create classes for now |
| Anonymous URL | Contains nothing | All auth options are shown |
| Partial Anon URL | Contains email ids whose SSO’s we do not support. Could contain display name as well | No options are shown and the anon auth path is quietly followed. |

# URL Structure

The class URLs should have the following structure:

https://[ LANDNG-HOST ][ LANDING-URL-PREFIX]/landing/session/[ API-VERSION ]/[ CLASS-ID ][ &e=[ENCRYPTED-PARAMS] ]

The structure of the URL is such that even if the encrypted options are not provided it is still possible to join the class. The only value the encrypted options provide is to do a few authentication stuff automatically for certain users. For example, a WizIQ user may be logged into the class without being asked for his credentials, provided he is already logged into the WizIQ site.

If no encrypted options are provided, then the URL is treated like a Pure Anonymous URL and all authentication options are presented to the user.

## LANDING-HOST

Provided by the provisioning server. It should be possible to have a configurable landing site for people to join a class, because of the fact that the landing site will see a lot of load when people join.

## Landing-url-prefix

A prefix path, typically null, but a placeholder for reverse-proxy routing requirements.

## API-Version

Typically “v1” for now.

## CLASS-ID

This is the Class ID generated during class creation by the API-backend. There may be potentially multiple sessions associated with a single class id (for example for a recurring class). It is the Provisioning server’s responsibility to get the correct session associated with this class ID.

## Encrypted-params

The encrypted string in its clear text form should look like this:

[ auth\_via=<sso-options> ] & [ email=<email> ] & [ display=<display> ] & d=<expiry-date>

### Auth\_VIA

For now, only “wiziq” option should be supported. In the near future, we should be able to determine (from the “add-attendee” call) whether the user can authenticated via the google or the facebook SSO.

### Email

This option is needed only for Partially Anonymous URLs. For example, if a participant is invited by his email ID which is a “rocketmail.com” email ID, then we cannot authenticate that user (since we do not support SSO for “rocketmail.com”). In such a case, the only option is to treat the participant as a partially anonymous user and log him in without requiring him to authenticate himself.

Maybe we need to think about this a little more.

### Display

An optional display name.

### d(expiry)

An expiry date/time in UTC/ISO format, which indicates the validity of the URL.

# Named URLS

A Named URL is of the following form:

https://

[ LANDNG-HOST ][ LANDING-URL-PREFIX]/landing/session/

[ API-VERSION ]/[ CLASS-ID ]

? auth\_via=[ **auth\_via** ]&u=[ **encrypted\_params** ]

#

# encrypted\_params consist of

#

{

role : [ role ],

id : [ id or email ],

d : YYMMDDhhmm (UTC ISO Date)

}

# Anonymous URLS

An anonymous URL is of the following form:

https://

[ LANDNG-HOST ][ LANDING-URL-PREFIX]/landing/session/

[ API-VERSION ]/[ CLASS-ID ]

# Partial Anon URLs

An partially anonymous URL is of the following form:

#This needs to be reviewed

https://

[ LANDNG-HOST ][ LANDING-URL-PREFIX]/landing/session/

[ API-VERSION ]/[ CLASS-ID ] ?

encrypted(auth\_via=anon&email=<email>&display=<display>&d=<UTC-ISO-date>)

The “display” parameter could be optional in which case, the display name becomes the email ID specified.