loadUrl

Load the contents of a viewer access token.

Parameters:

- url - String
- *optional* query - Object

Example:

```
$('.viewer').viewer('loadUrl', 'https://api.bimsync.com/1.0/viewer/access?token=8975b4a3149a49ba8bcc40f4ababc0d1');

$('.viewer').viewer('loadUrl', urlFromToken, {
  boundingBox: {
    $intersectObjectBox: {
      objectId: 123456789,
      offset: {
        x: 2,
        y: 2,
        z: 2
      }
    }
  }
});
```

Queries

bimsync allows you to query geometry using a query language. Queries are represented as JSON. The language is similar to **MongoDB query filter documents**.

Queries will only access data from the revisions granted in a viewer access token.

Example

```
{
  boundingBox: {
    $intersectObjectBox: {
      objectId: 123456789,
      offset: {
        x: 2,
        y: 2,
        z: 2
      }
    }
  }
}


{
  boundingBox: {
    $intersectBox: {
      min: {
        x: -100,
        y: -10,
        z: -10
      },
      max: {
        x: 10,
        y: 10,
        z: 10
      }
    }
  },
  ifcType: { $in: ["IfcWall", "IfcWallStandardCase"] }
}
```

Operators

Currently the following operators are available:

Name	Description
$and	Match objects where all expressions in an array of expressions return a match.
$or	Match objects where any expressions in an array of expressions return a match.
$eq	Match objects with fields not equal to a value.
$intersectObjectBox	Match objects with fields intersecting another object's bounding box..
$intersectBox	Match objects with fields intersecting a bounding box.

Fields

Currently the following fields can be matched:

Name	Type	Description

objectId	Long	The object's ID.
globalId	String	The object's global ID.
ifcType	String	The object's IFC entity type.
boundingBox	Box3	The object's global axis aligned bounding box.
external	Boolean	Whether it is indicated that the object faces the outside of the building.