

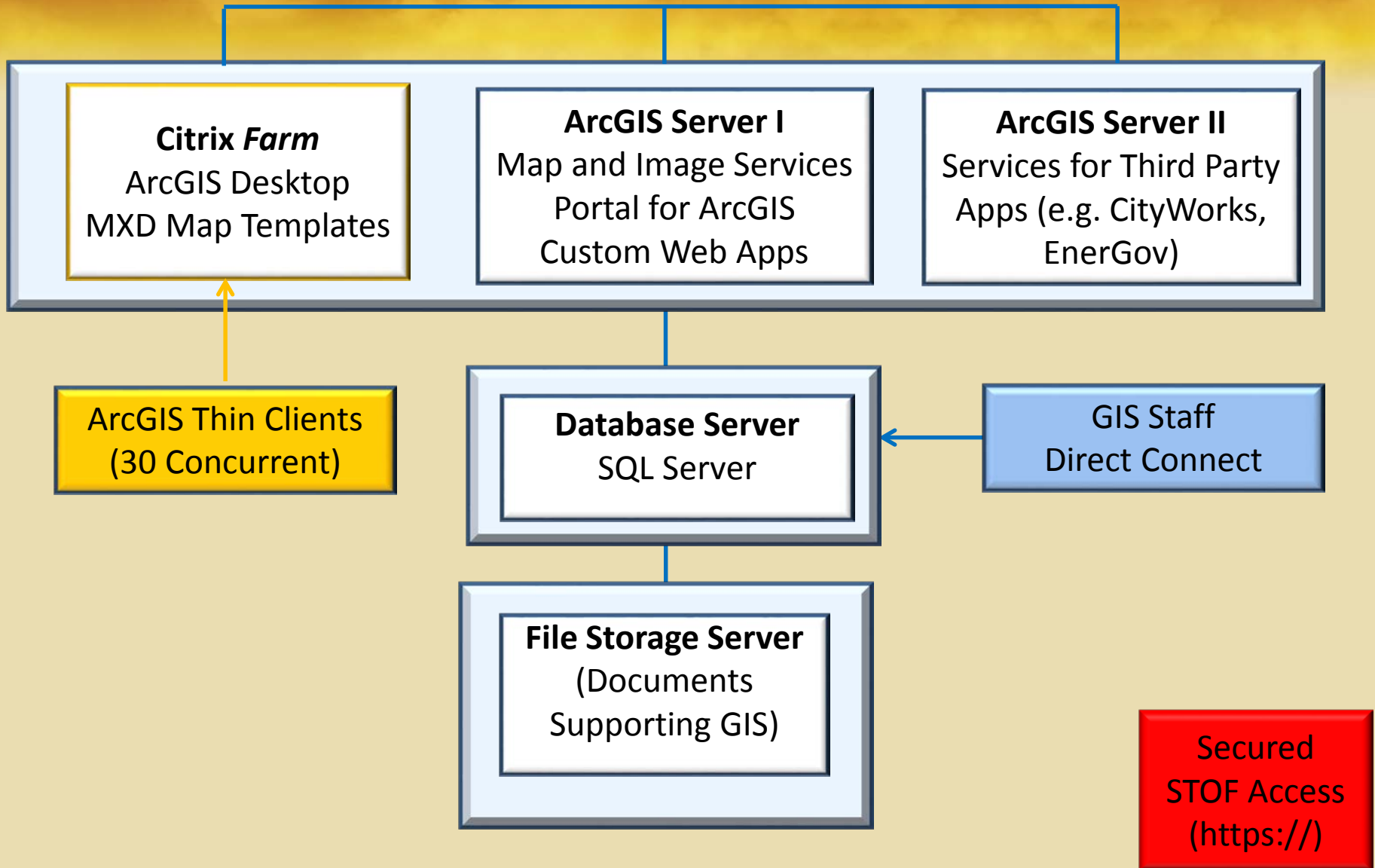
# Creating Custom JavaScript Web GIS Solutions in a Secured Environment



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# Seminole Tribe of Florida GIS Environment



# Why Portal for ArcGIS?

- ❑ Content management system for Seminole Tribe mapping applications
- ❑ Templates as well as custom apps
- ❑ Secured environment (preferred over AGOL)
- ❑ Flexibility in design



# Custom Apps in a Secured Environment

- ❑ Differences due to secured server
  - Downloaded ArcGIS API For JavaScript (only manual updates possible)
  - Implemented ArcGIS Server map services are hosted on secured server
  - Final solution is implemented in Portal for ArcGIS

```
<script type="text/javascript" src="https://phwto-gis1.tribenet.semtribe.com/arcgis_js_api/library/3.10/3.10/init.js"></script>
```



# GIS STOF Lands Viewer App

- Table of Contents (TOC) Widget needed as per request by end-users
- Highly debatable!
- Not implemented in the current JavaScript API (Legend only)
- Widget developed by “nliu”

## Table of Contents (TOC)/Legend Widget for JavaScript API



Table of Contents (TOC)/Legend Widget for JavaScript API

Web Mapping Application by nliu

Last Modified: September 2, 2014

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# GIS STOF Lands Viewer App

- ❑ Maximum scale (“zoom level”) with ESRI basemaps problematic for end-users
- ❑ ESRI basemaps maximum scale at 1:1128.49
- ❑ Customized “levels of details” implemented to allow for improved maximum scale

```
//-----customize level of details / zoom levels
var lods = [
{"level" : 0, "scale" : 5.91657527591555E8, "resolution" : 156543.03392800014},
{"level" : 1, "scale" : 2.95828763795777E8, "resolution" : 78271.51696399994},
{"level" : 2, "scale" : 1.47914381897889E8, "resolution" : 39135.75848200009},
{"level" : 3, "scale" : 7.3957190948944E7, "resolution" : 19567.87924099992},
{"level" : 4, "scale" : 3.6978595474472E7, "resolution" : 9783.93962049996},
{"level" : 5, "scale" : 1.8489297737236E7, "resolution" : 4891.96981024998},
{"level" : 6, "scale" : 9244648.868618, "resolution" : 2445.98490512499},
{"level" : 7, "scale" : 4622324.434309, "resolution" : 1222.992452562495},
{"level" : 8, "scale" : 2311162.217155, "resolution" : 611.4962262813797},
{"level" : 9, "scale" : 1155581.108577, "resolution" : 305.74811314055756},
//imagery services cached from this level onwards
{"level" :10, "scale" : 577790.554289, "resolution" : 152.87405657041106},
{"level" :11, "scale" : 288895.277144, "resolution" : 76.43702828507324},
{"level" :12, "scale" : 144447.638572, "resolution" : 38.21851414253662},
{"level" :13, "scale" : 72223.819286, "resolution" : 19.10925707126831},
{"level" :14, "scale" : 36111.909643, "resolution" : 9.554628535634155},
{"level" :15, "scale" : 18055.954822, "resolution" : 4.77731426794937},
{"level" :16, "scale" : 9027.977411, "resolution" : 2.388657133974685},
{"level" :17, "scale" : 4513.988705, "resolution" : 1.1943285668550503},
{"level" :18, "scale" : 2256.994353, "resolution" : 0.5971642835598172},
{"level" :19, "scale" : 1128.497176, "resolution" : 0.29858214164761665},
{"level" :20, "scale" : 564.25, "resolution" : 0.149291444416222},
{"level" :21, "scale" : 282.125, "resolution" : 0.074645722},
];
```

```
//----- new map -----
map = new Map("map", {
  basemap: "streets", // other options "satellite"
  center: [-81.512247, 28.097942], // long, lat
  zoom: 7,
  sliderStyle: "small",
  sliderPosition: "top-right",
  logo: false,
  infoWindow: popup,
  lods: lods
});
```

# GIS STOF Lands Viewer App

- ❑ Search by Seminole Reservation and Layer

### Search

1. Select Reservation:  
Hollywood ▾

2. Select Layer:  
Buildings (by occupant name) ▾

3. Search name, address or street:  
Osceola × Search

Clear





**Thank you!**

