

## Ability to Change the Up-Vector Inside the Vuforia Studio

### Current Problem

- Most of the CAD Up-Vector ({+}Z-Axis)
- Vuforia Studio Default Up-Vector ({+}Y-Axis)
- To resemble the imported model in Vuforia with actual CAD model, we must rotate the model in Vuforia Studio by -90 degree in X-axis.

### Proposed Solution

- Want to add the ability to change the up-vector of the CAD model while importing the CAD data into the Studio.
- With this capability, If the exported CAD system have different Up-Vector, we can adjust the up vector inside the Vuforia studio quickly.

→ Scale  
1.0000

→ X Coordinate  
0

→ Y Coordinate  
0

→ Z Coordinate  
0

→ X Rotation  
-90

→ Y Rotation  
0

### Current Model Import Settings In Vuforia Studio

Add Resources

For a list of supported formats, see [Supported CAD File Formats](#)

Select Files

TEST-PART-STEP214.stp  
 Run CAD Optimizer

Upon adding your 3D file, Vuforia Studio will convert it to a pvz. Please check "Run CAD Optimizer" if you would like to generate optimized files.

Allow the Experience access to CAD metadata.  
For more information, see the [Resources](#) topic in the Help Center.

Add

Close

### Proposed CAD Import Settings In Vuforia Studio

Add Resources

For a list of supported formats, see [Supported CAD File Formats](#)

Select Files

TEST-PART-STEP214.stp  
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Add

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Dropdown selection option for up vector while importing the CAD data into studio

Up Vector Settings

- Z-Axis
- Y-Axis
- X-Axis
- Z-Axis
- Y-Axis
- X-Axis