

```
elif operation == "MIRROR_Z":  
    mirror_mod.use_x = False  
    mirror_mod.use_y = False  
    mirror_mod.use_z = True  
  
#select the end add back the deselected mirror modifier  
mirror_ob.select= 1  
modifier_ob.select=1  
bpy.context.scene.objects.active = modifier_ob  
print("Selected" + str(modifier_ob)) # modifier ob is the #2222  
mirror_ob.select = 0  
Done = bpy.context.selected_objects[0]
```

Highly Scalable Streaming Data Platform

Enterprise Data Platform to support high throughput IoT data streaming and analytics for firm's massive data centers spread out across the globe

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About Customer

- Global leader in data center colocation and interconnection services
- Operates a footprint of 62 data centers in 29 markets around the world, providing services to more than 2,000 leading enterprises & U.S. federal government agencies



Approach / Deliverables

- Integrated ERP (SAP), CRM (Salesforce), Service Management (Service Now), Billing systems and Operational Systems data into unified data platform
- Streaming of power, temperature, humidity and other high throughput sensor data thru state-of-art messaging framework (Apache Kafka)
- Built multi-tenant data management system leveraging Postgres Hyperscale warehouse for storage and reporting needs
- Leveraged Apache Spark for Integration and Descriptive and Predictive Analytical Services



Business Challenges / Drivers

- Support high volume of streaming data generated by data centers located through out the globe
- Support near real-time preventive maintenance of data center equipment



Outcomes / Benefits

- Unified data view of the entire company from ERP, CRM, Services, Billing and Operational Systems resulting in faster insights
- Improved customer experience by predictive maintenance of critical DC equipment
- 40% cost savings using predictive maintenance over reactive maintenance

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