

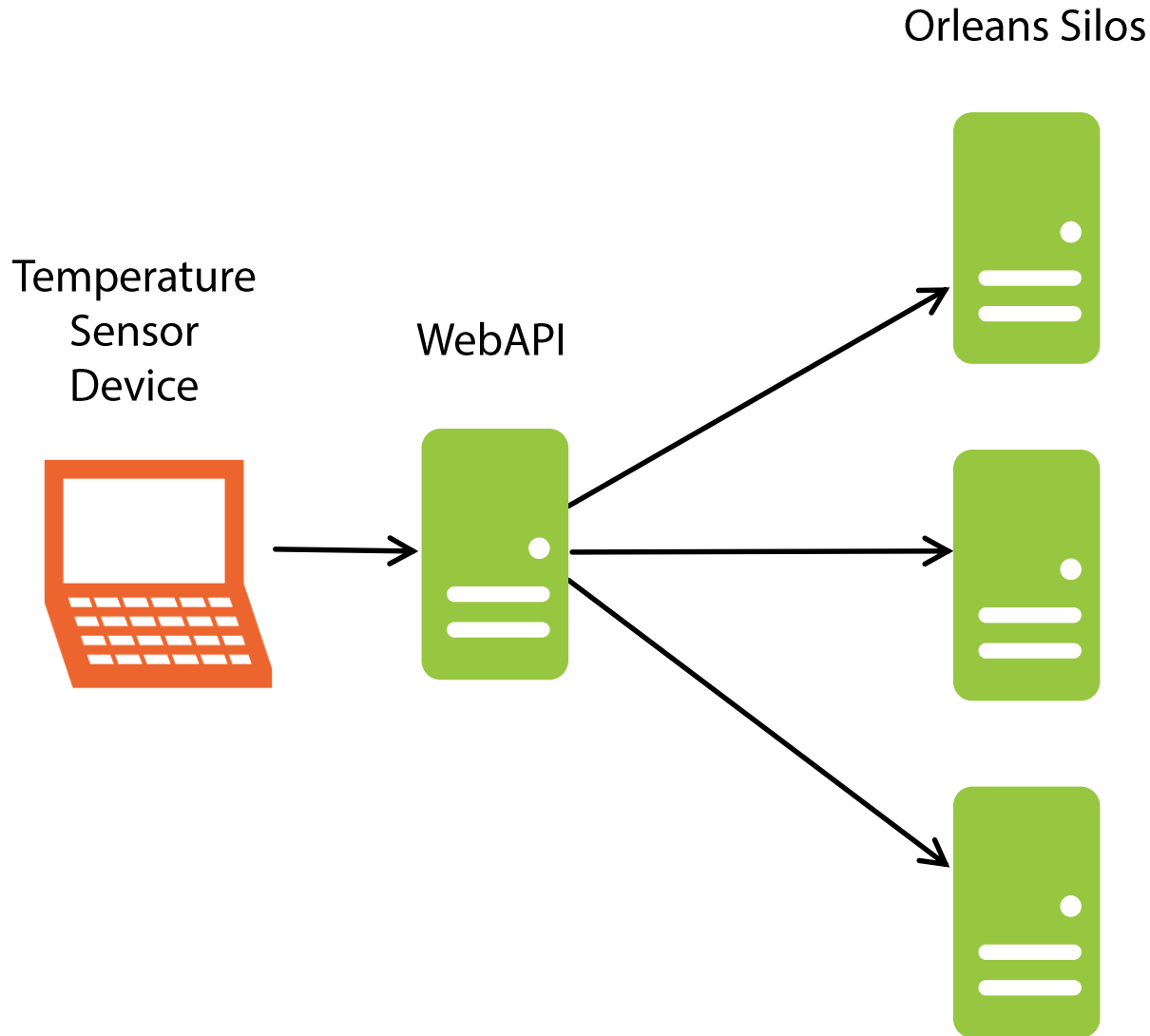
# Cloud Deployment

Richard Astbury  
<http://coderead.wordpress.com>  
@richorama



**pluralsight**   
hardcore dev and IT training

# Local Deployment

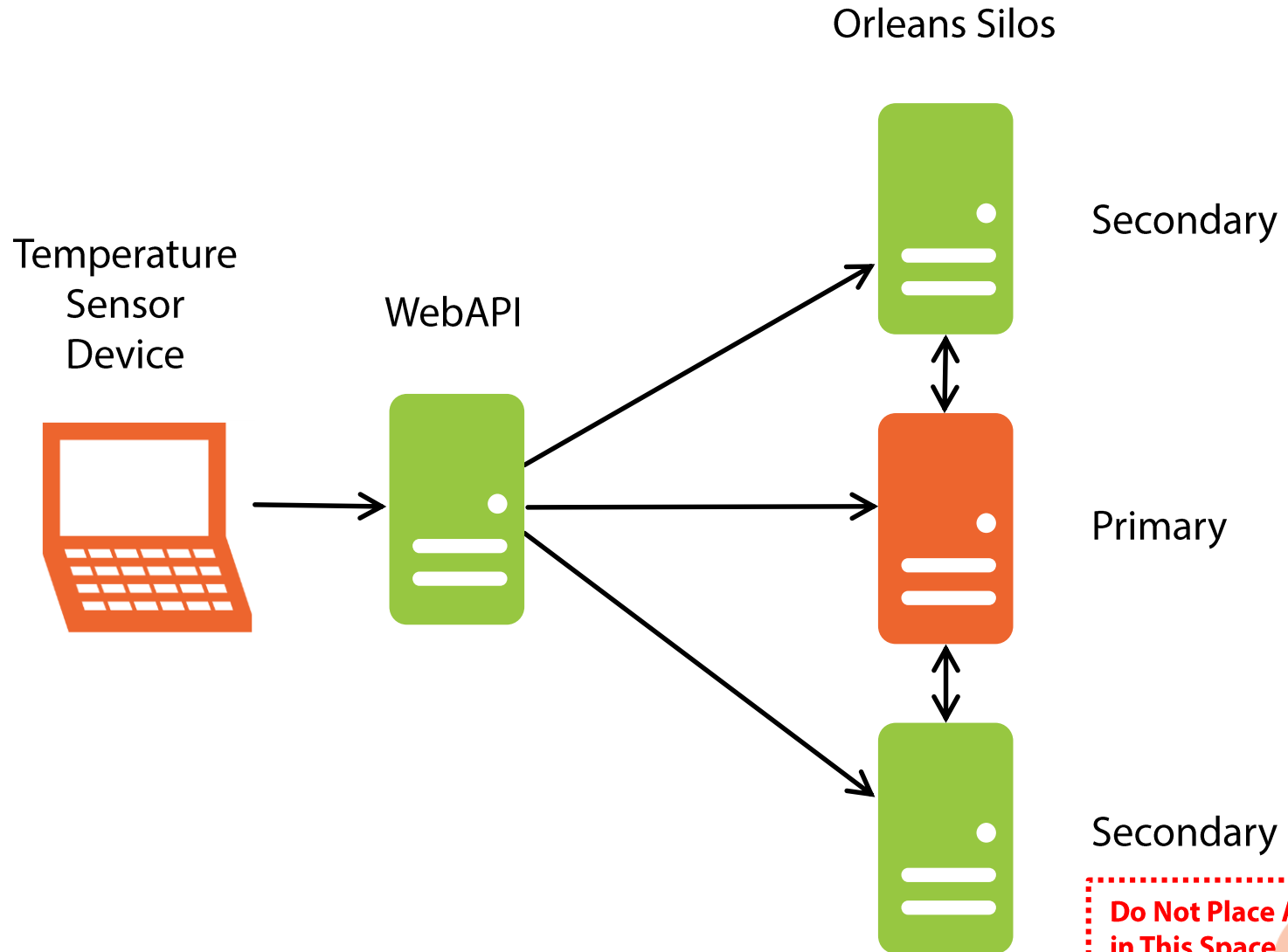


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Note: Will not appear during  
Slide Show view.

# Local Deployment

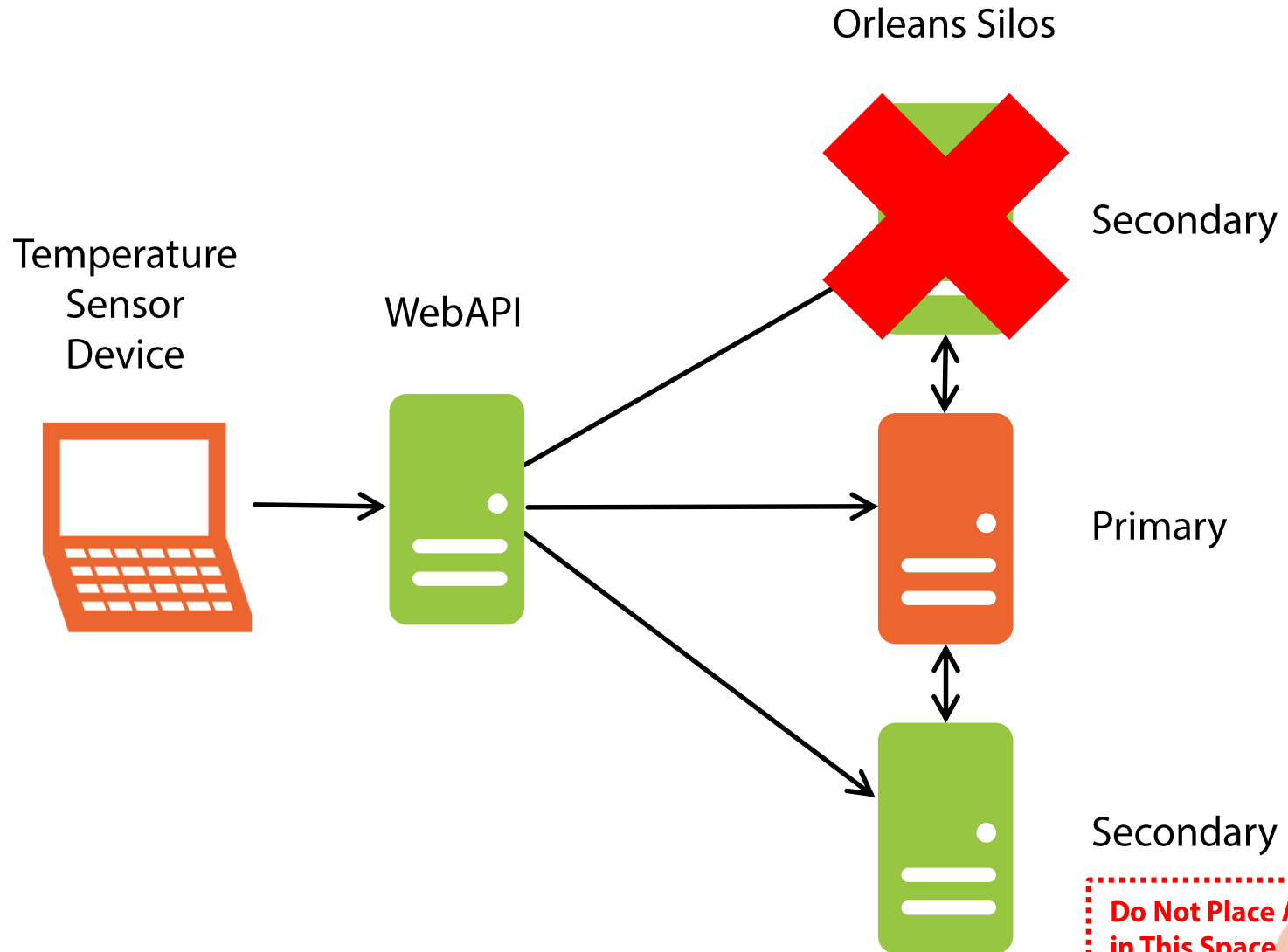


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# Local Failure



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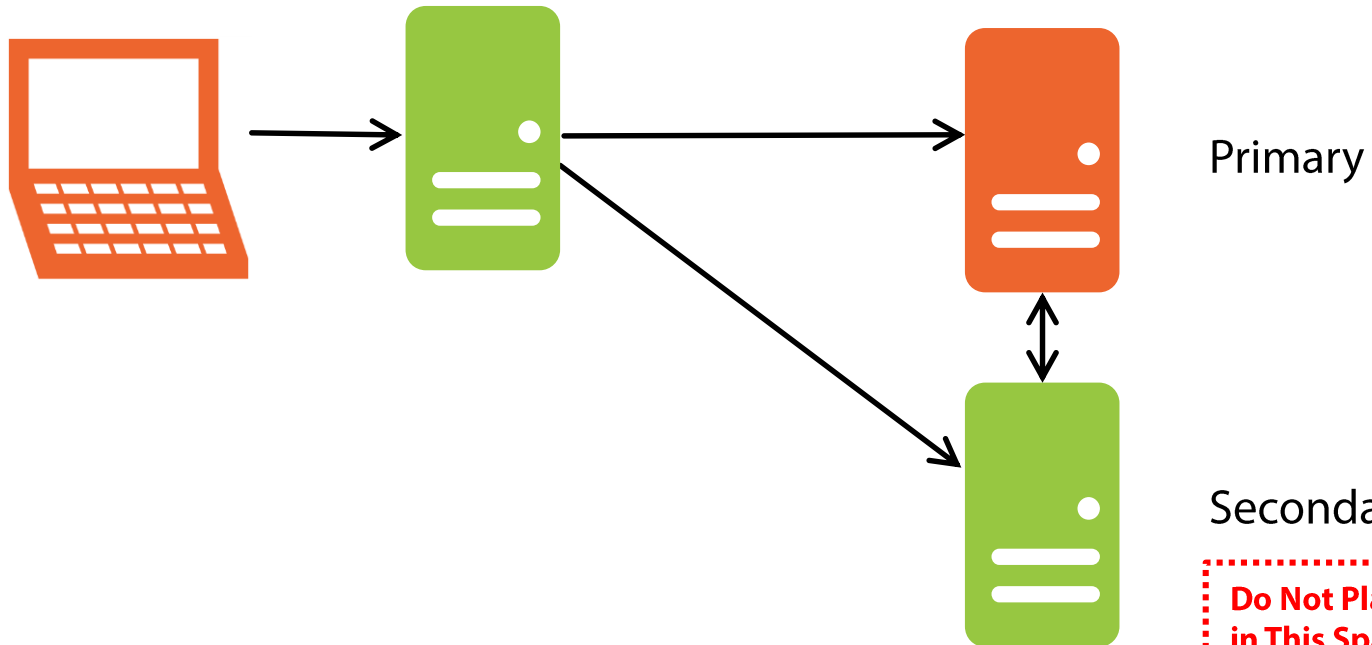
Note: Will not appear during  
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# Local Failure

Orleans Silos

Temperature  
Sensor  
Device

WebAPI



Primary

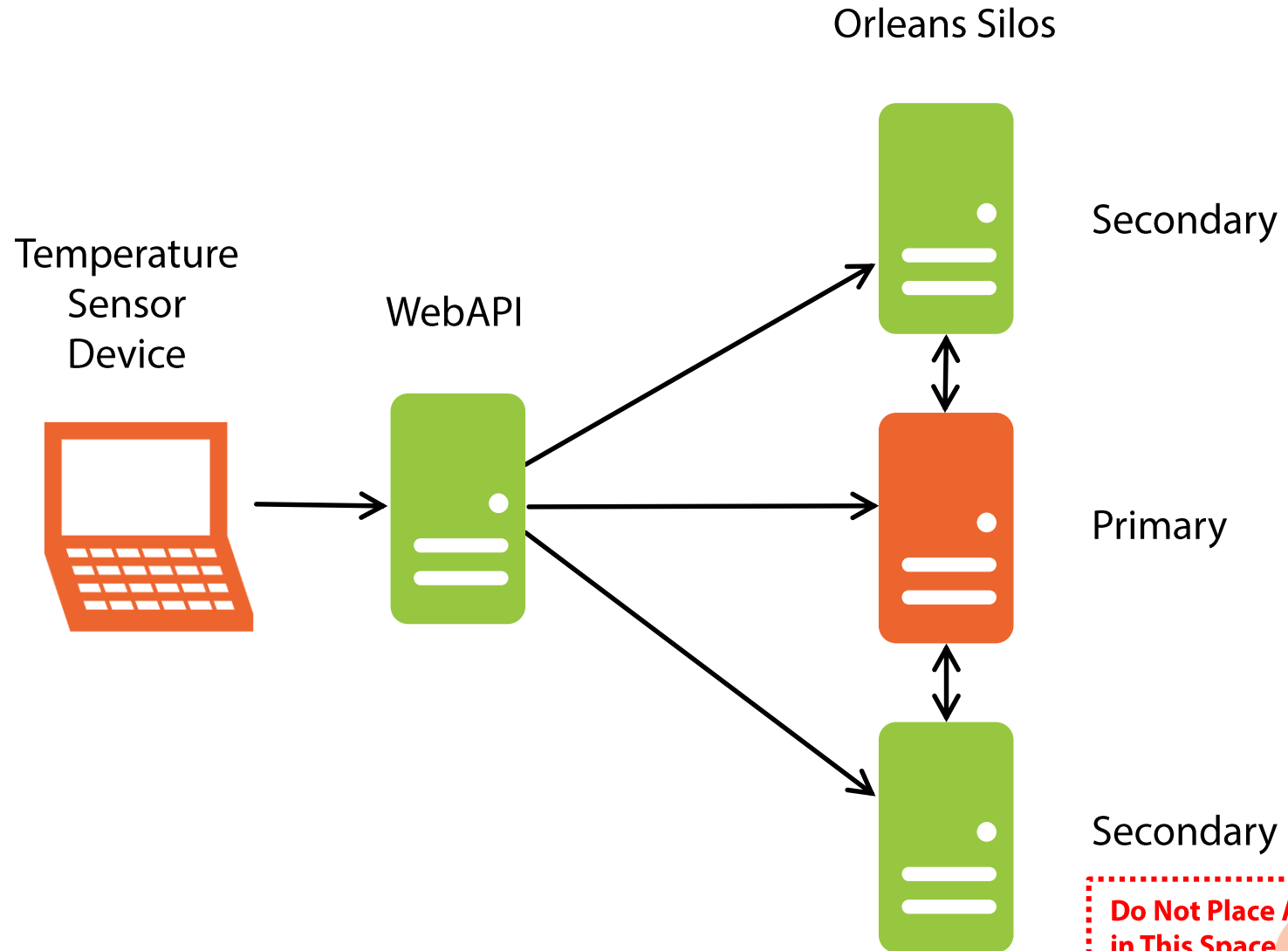
Secondary

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# Local Failure

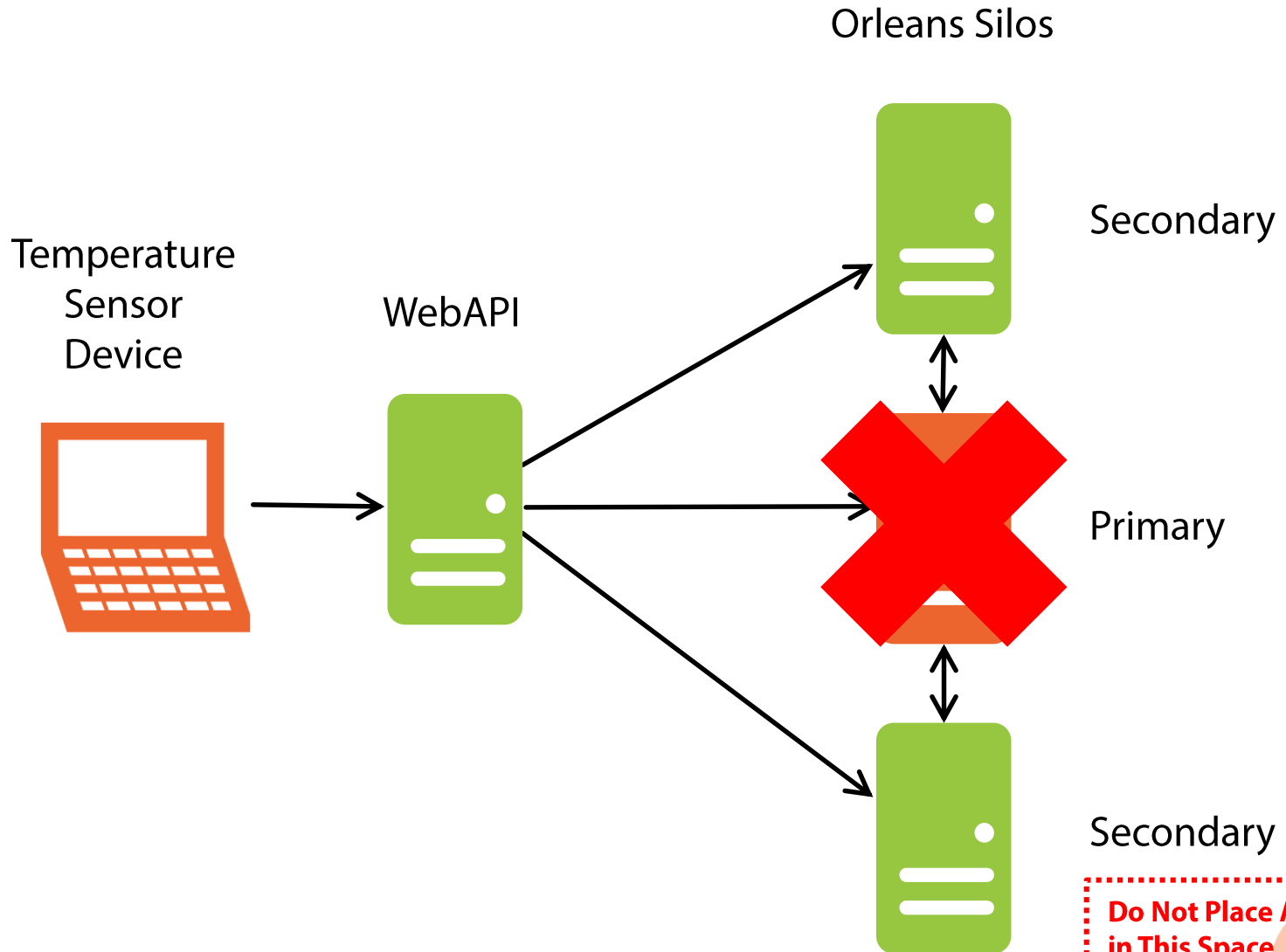


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# Local Failure



## Local Deployment

**A primary silo must be chosen**

**The primary must start first**

**Failure of the primary means a complete restart**

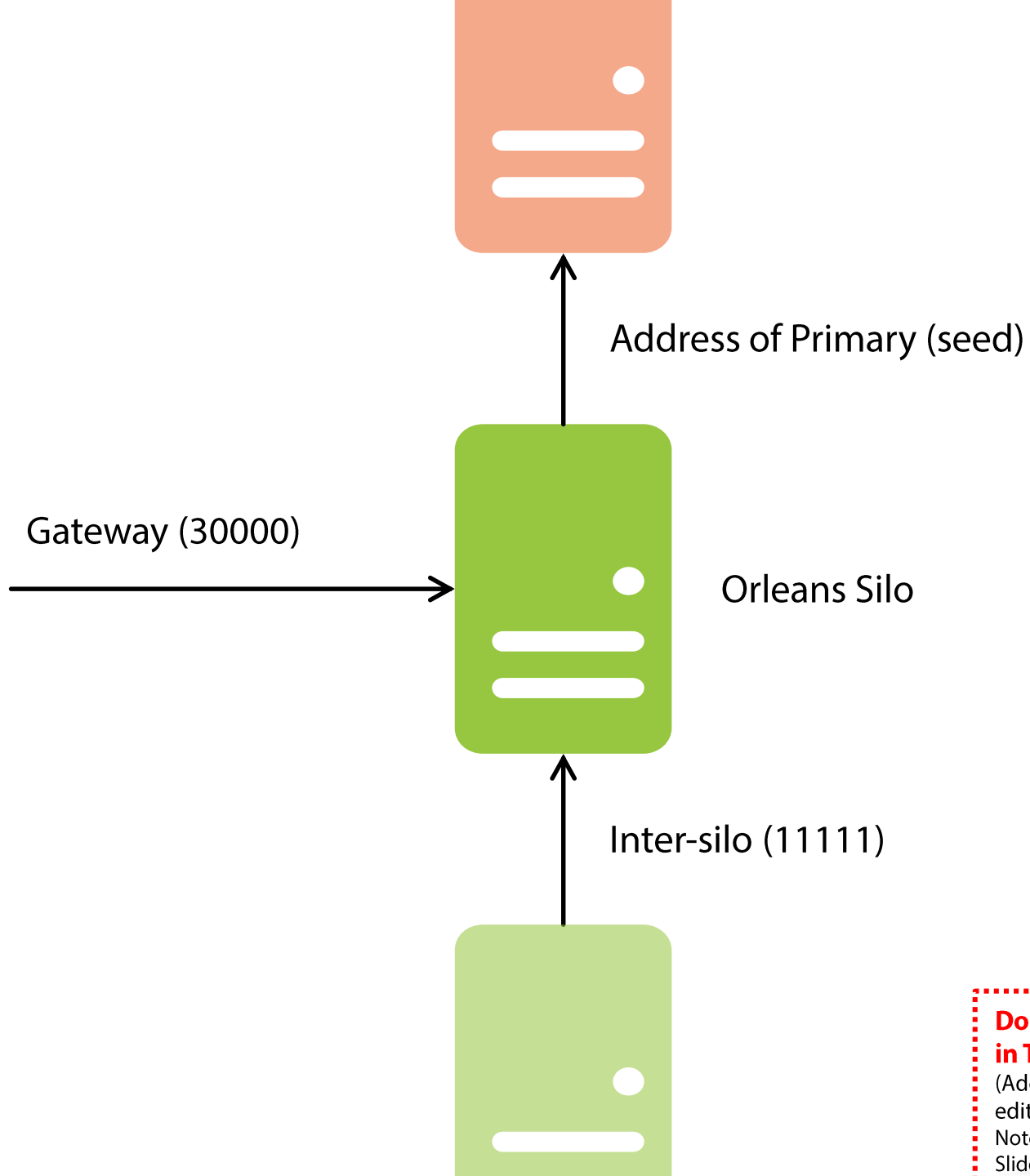
**Secondaries can be added/removed**

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# Configuring Local Deployment

Set primary in silo configuration

Register gateways in client  
configuration

Start the silos in sequence

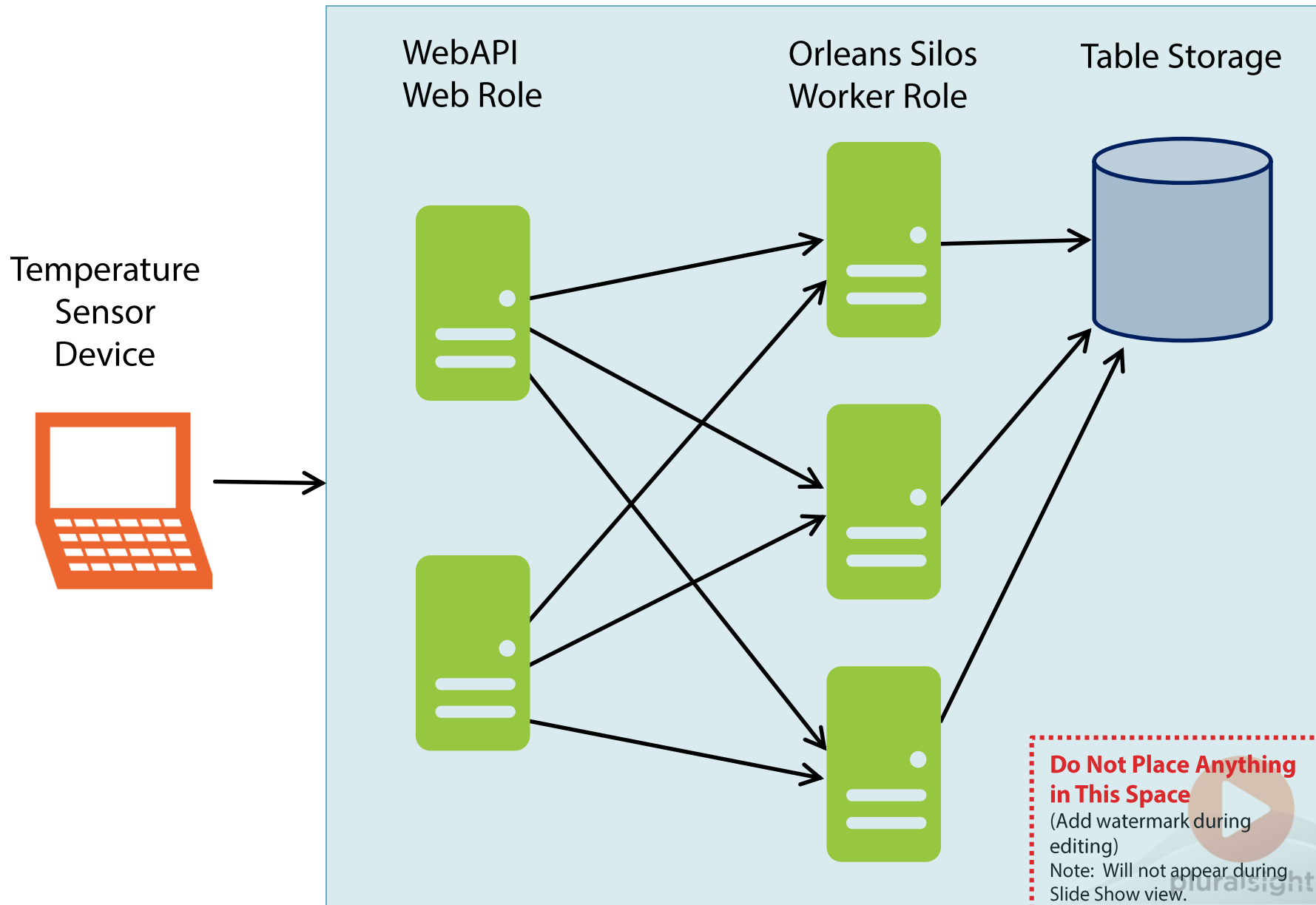
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Slide Show view.

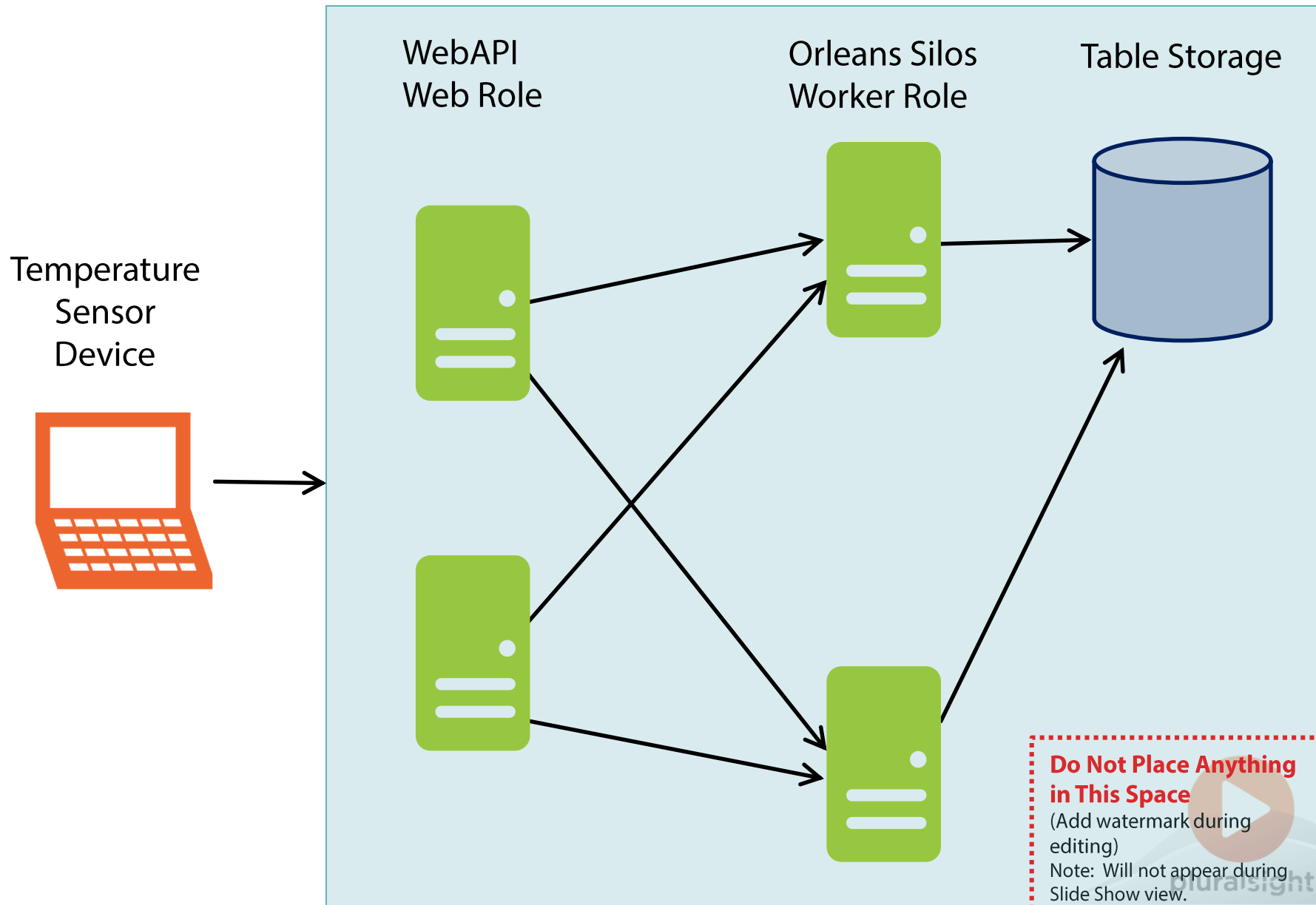
# Cloud Deployment

Microsoft Azure



# Cloud Deployment

Microsoft Azure



# Cloud Deployment

Table storage tracks cluster membership

A primary is not required

Any silo can fail without affecting other Silos

Clients discover silos automatically

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# Configuring Cloud Deployment

Add a Cloud Project

Configure Web and Worker  
Roles

Deploy to Azure Cloud Services

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# Monitoring a Cloud Deployment

Logging and Silo metrics in  
Table Storage

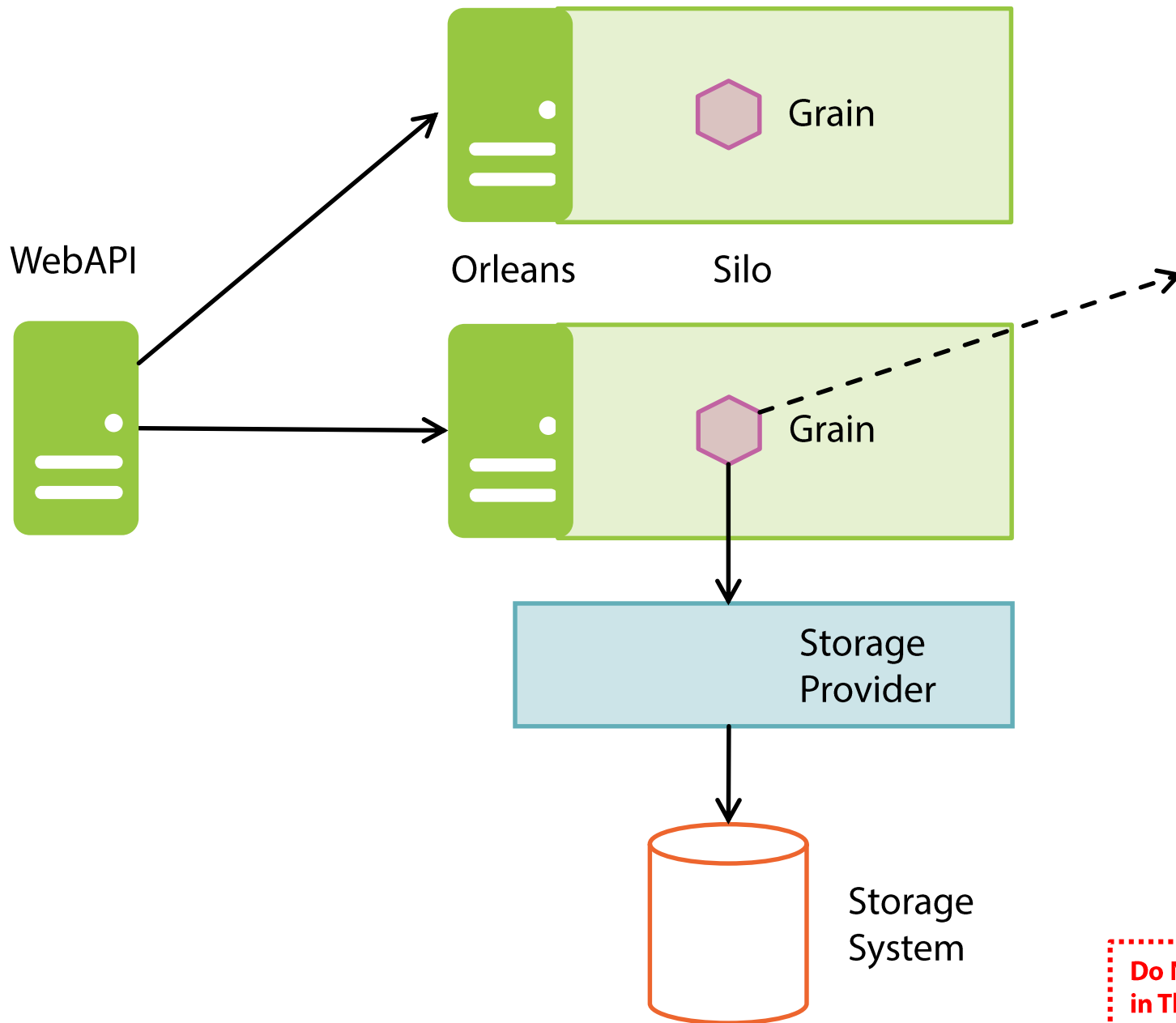
Use Azure features to scale and  
monitor system

Do not scale too frequently

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High  
throughput

Real time

High  
availability

Cloud scale

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