

Azure and Sunbelt



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**Sunbelt Computer
Software**

OVERVIEW



- **Company Usage**

- **Creating a VM**

- **FACE API**

- **Big Data**

- **SMS**

Company Usage



- **First VM servers used to test PlbWebCli**
- **Azure push technology still exists in PlbWebCli**
- **The 2016 conference used Azure VM to host PWS**
- **Current Sunbelt administration exists on an Azure VM**
- **Can be accessed from PC, Android tablets, and Apple devices**

Company Usage



- **Backup service nightly with 30 existing backups kept**
- **Azure VM has 2 vcpu, 4GB memory, and is in East US**
- **Redundant West US site**
- **Classic Keyin/Display PL/B works fine**

Creating a VM

- **Sign-on on or create an Azure account**
- **<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-portal>**
- **Make sure to add RDP access to network**
- **Add in a DNS name**
- **Connect using Remote Desktop**

Creating a VM

- **Download PWS software**
- **Change PLBWEB_ADDRESS to 10.0.0.4**
- **Change network interface to allow access to PWS**

Face API

- **REST based service through Azure**
- **Detect and compare human faces**
- **<https://docs.microsoft.com/en-us/azure/cognitive-services/Face/quickstarts/javascript>**
- **REST style access through HTMLCONTROL or HTTP statement**
- **XDATA can decode the JSON result**

Big Data



- **Data Manager can be run on a VM server**
- **SQL databases in the cloud**
- **Cosmos DB can run Cassandra, MongoDB, and Gremlin**
- **Accessed via REST**
- **More on these in NOSQL talk**



Sms

- SMS is now used for alerts, two level authentication, ...
- Twilio has a SMS service - <https://www.twilio.com/docs/sms>
- A cloud service can be generated as an in-between
- <https://docs.microsoft.com/en-us/azure/cloud-services/cloud-services-choose-me>
- <https://docs.microsoft.com/en-us/azure/twilio-dotnet-how-to-use-for-voice-sms>

Questions?

