

Onsight NOW Implementation Guide

Copyright

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1. Introduction

Onsight NOW provides organizations with an intuitive, easy-to-use, elegant, and scalable solution that utilizes standard Microsoft technologies and *Application Programming Interface (API)*s to capture and deliver knowledge on demand. With Onsight NOW, organizations can:

- Improve search results by using Ask & Search;
- Enhance collaboration both within and outside the organization by capturing audio, video, chat history, transcription, and call sentiment;
- Improve response times by delivering proactive recommendations using an Artificial Intelligence (AI) engine;
- Access advanced capabilities such as Azure Computer Vision, Optical Character Recognition (OCR), and Internet of Things (IoT)
 data;
- · Take advantage of knowledge capture and delivery technologies that utilize all existing information sources and integrations.

The Onsight NOW Implementation guide describes how *Azure Government Cloud (GC)* customers can perform a self-hosted installation. For Azure Public Cloud deployments, customers can substitute regions and resource types as needed. Additionally, Librestream-hosted Public and Government cloud *Software as a Service (SaaS)* solutions are also available. These solutions are available for testing and evaluation before deploying your self-hosted environment.

1.1. Requirements

Onsight NOW requires an organization to have the following:

- 1. Azure GC subscription
- Office 365 Government Community Cloud (GCC)
 runs on the Microsoft (MS) Platform as a Service
 (PaaS), which uses Azure Commercial Infrastructure.
 This package usually consists of the following
 applications:
 - Microsoft SharePoint
 - Microsoft Teams
 - Microsoft Outlook
- 3. Microsoft Entra ID
- 4. Linux Windows Subsystem for Linux (WSL) Environment
- 5. Azure Command Line Interface (CLI)

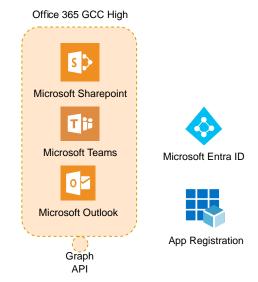


Figure 1-1 Microsoft Requirements

Microsoft Entra ID

Microsoft Entra ID¹ is Microsoft's enterprise cloud-based Identity Access Management (IAM) platform that provides single sign-on, Multifactor Authentication (MFA), and internal and external user governance.

5 1 - Introduction

^{1.} Microsoft Entra ID is the new product name for Azure Active Directory (AAD) and Azure (AD).

2. Overview

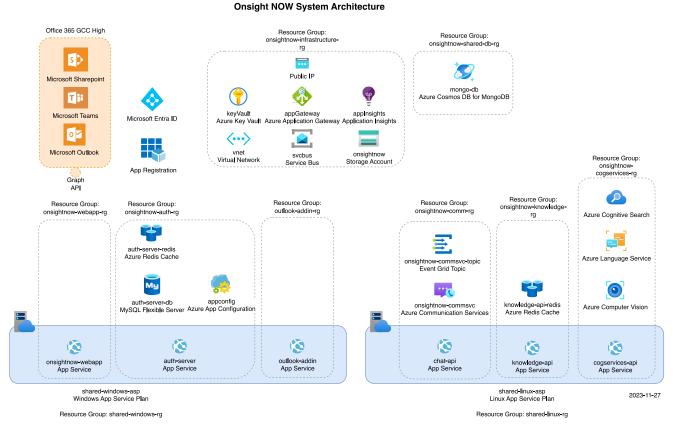


Figure 2-1 Onsight NOW System Architecture

A typical installation package includes **Resource Groups** for both a **Windows** and **Linux** back end that include:

- 1. Onsight NOW infrastructure resource group (onsightnow-infrastructure-rg)
- 2. Onsight NOW Shared database (Onsightnow-shared-db-rg)
- 3. Many resource groups that represent applications, APIs, and services for a Windows App Service plan:
 - a. Onsight NOW web application (onsightnow-webapp-rg).
 - b. Authentication Server (onsightnow-auth-rg).
 - c. Outlook add-in (outlook-addin-rg)
- 4. Resource groups that represent applications, APIs, and communications services for a Linux App Service plan:
 - a. Chat API (onsightnow-comm-rg).
 - b. Knowledge Capture API (knowledge-rg)
 - c. Azure Cognitive services (onsightnow-cogservices-rg).

7 2 - Overview

3. Deployment & Setup

The deployment process for Onsight NOW consists of the following steps:

1. Extract the Onsight NOW installation package (.Zip) that contains the main deployment bicep scripts. These scripts include infrastructure as code and a Readme.md file.



Tip: For detailed instructions and installation options, including Git Bash on Windows environments, please refer to the Readme.md. Please refer to the Networking.md file for advanced networking scenarios and installation options.

- 2. Install any optional modules, which include:
 - a. Assigning an organization prefix as a required parameter.
 - b. Designating a location, such as US Gov Virginia.
 - c. Including communication service options.
- 3. Perform the shared deployment scripts, which include:
 - a. Deploying manual operations.
 - b. The main deployment for a complete infrastructure.
 - c. Deploying artifacts.
 - d. Validating and verifying the deployment.

3.1. ReadMe Prerequisites, Setup & Deployment Parameters

3.1.1. Prerequisites

Within the installation package, open the README. md file. It contains the most up-to-date prerequisites, optional modules, setup, and deployment instructions.

If you are using the Windows Subsystem for Linux (WSL), please refer to the following Windows Subsystem for Linux (on page 9).

If you are using Git Bash, please refer to the following Git Bash (via Visual Studio Code) (on page 10).

3.1.2. Windows Subsystem for Linux

To install Onsight NOW in your Azure subscription, you must have the following setup on your machine (assuming it is running Windows):

- 1. Download and install the Windows Subsystem for Linux (WSL).
- 2. Open a WSL shell.
- 3. Download and install Azure Command Line Interface (CLI) for Linux. Run the following command:

```
curl -sL https://aka.ms/InstallAzureCLIDeb | sudo bash
```

- 4. Close, then reopen your WSL shell.
- 5. Download and install the Azure CLI rdbms-connect extension. Run the following command:

```
az extension add --name rdbms-connect
```

6. Download and install the JSON Query language. Run the following command:

7. Follow the rest of the instructions in Git Bash (via Visual Studio Code) (on page 10)

3.1.3. Git Bash (via Visual Studio Code)

To install Onsight NOW in your Azure subscription, you must have the following setup on your machine for Git Bash via Visual Studio (VS) Code:

- 1. Download and install Azure CLI for Windows
- 2. Download and install JSON Query. Run the following command:

```
mkdir -p $HOMEPATH/bin followed by:
```

```
curl -L -o $HOMEPATH/bin/jq.exe https://github.com/stedolan/jq/releases/latest/download/jq-win64.exe
```

3. Download and install the Azure CLI rdbms-connect extension version 1.0.3 due to a bug in 1.0.4 (latest version) by running the following commands:

```
a. az extension remove --name rdbms-connect
```

```
b. az extension add --name rdbms-connect --version 1.0.3
```

4. Follow the rest of the instructions in Setup Continued (on page 10)

3.1.4. Setup Continued

To continue with an Onsight NOW installation, follow these instructions:

- 1. To point your Azure CLI to your desired Azure Cloud, follow these steps:
 - \circ If deploying on Azure Public Cloud, run the command: az cloud set --name AzureCloud.
 - · If deploying on Azure Government Cloud, run the command: az cloud set --name AzureUSGovernment.
- 2. Log in to your Azure Subscription by running the following command:

az login



Note: After logging in to *WSL*, the az login command will display a JSON list of your available Azure subscriptions.

- Each subscription will have two properties: cloudName and name.
- The name property is your **Subscription name**, which you will use within commands for the How to Deploy Onsight NOW *(on page 18)* section.



Tip: Whoever is deploying Onsight NOW must have sufficient user roles and permissions within the target Azure Subscription:

- User Access Administrator
- Contributor
- Important: After deployment, an Application Administrator with permission to grant administrator consent for enterprise applications is required to allow your organization to log in to Onsight NOW.

3.1.5. **Setup**

In parameterFiles/configurable.parameters.json several parameters must be defined. These values must be set:

```
"parameters": {
    "org": {
        "value": ""
    "location": {
        "value": ""
    "webAppSslCertificateSecretName": {
        "value": "onsightnow-webapp-ssl-cert"
    "webAppFqdn": {
        "value": "
     webAppStorageAccountSecretUri": {
        "value": ""
    "deploymentScriptStorageAccountInfo": {
            "storageAccountName": "",
            "storageAccountKey": ""
    },
    "additionalTags": {
        "value": {}
    "searchServiceApiSuffix": {
        "value": "search.azure.us"
```

The setup instructions include:

- 1. Setting a value for the **Organization prefix**. The prefix for all resources and resource groups is determined by the org value, which must be between one and six characters inclusive. For example, Librestream uses Is as its organization prefix value.
 - 7 Tip: The org must be lowercase and contain only alphanumeric characters.
- 2. Set a value for the location of your Azure region.
 - Tip: This is the Azure region where you want to deploy Onsight NOW. To display a list of available regions for your Azure Subscription, run the following command: 'az account list-locations -o table'. Next, modify the location value to your desired area using the region's Name property, which must be in lowercase characters. For example, Librestream uses
- 3. Assign an optional Application Gateway module by setting a value for webAppsslCertificateSecretName.
 - Note: After deploying the `shared` stage, you must upload a valid Secure Sockets Layer (SSL) certificate to the newly created **Key Vault**. The certificate's name in the Key Vault must match the webAppsslCertificateSecretName.
- 4. If your deployment includes an **Application Gateway**, assign a value for webAppFqdn.



- a. This value will be the fully qualified domain name you use to access the Onsight NOW web application.
- b. After deploying the 'shared' stage, you must upload a valid SSL certificate to the created Key Vault.
- c. The certificate's Common Name or Subject Alternative Name in the **Key Vault** must match webAppFqdn.
- d. After deploying the `main` stage, you must create a *Domain Name Server (DNS)*, a Record for webAppFqdn, pointing to the *Internet Protocol (IP)* address of the created Application Gateway.

5. If your deployment uses a pre-existing storage account for running a PowerShell script that generates a database user's password in your deployment, set the values for storageAccountName and storageAccountKey in the deploymentScriptStorageAccountInfo Object.



- a. The storageAccountName is the name of your pre-existing storage account.
- b. Find the storageAccountKey under the Keys section of the storage account.
- 6. If your deployment requires pointing the Onsight NOW web application at an existing storage account, set a value for webAppStorageAccountSecretUril. This value must be a valid Key Vault secret URI that contains a connection string for an existing storage account. You can choose to add the secret to the Key Vault created in the `shared` deployment stage or use an existing Key Vault.



Note: To deploy to the `artifacts` stage, you must manually give read access to the webapp App Service identity secret if you use an existing Key Vault.

7. If your deployment requires additional tags, you can define them as key-value pairs in the additional tags section. For example:

```
"additionalTags": {
    "value": {
        "Tag1Key": "Tag1Value",
        "Tag2Key": "Tag2Value",
        ...
    }
}
```

- 8. Set a value for the Azure Cognitive Search service API endpoint suffix using the searchServiceApiSuffix. This value will depend on the Azure Cloud you are deploying to. Consult Microsoft Azure documentation for the search suffix appropriate for your Cloud environment. Typical values are:
 - AzureUSGovernment: search.azure.us
 - AzureCloud: search.windows.net

3.1.6. Advanced Networking

Network access to resources like the *Azure Key Vault* and *My Structured Query Language (My SQL)* Flexible Server are Public by default. Please refer to the Advanced Networking readme NETWORKING. md file if your deployment requires an advanced networking configuration.

3.1.6.1. App Service Environments

You can deploy the Onsight NOW App Service Plans and App Services to an existing *App Service Environment (ASE)*. To do this, you will need to set the following values:

- Set appserviceEnvironmentId to the ID of an existing App Service Environment in the same region that Onsight NOW is being deployed to.
- Set appServicePlanSku to a valid Isolated Stock Keeping Unit (SKU) for your Adaptive Server Enterprise (Systems Applications & Products in Data Processing ASE). For example, 11v2.

3.1.6.2. Key Valult Networking

The **Azure Key Vault** holds secrets such as connection strings, access keys, and passwords required by apps and APIs in Onsight NOW. Access to the secrets is restricted using Role Based Access Control but can be further locked down using networking policies.

Public

- 1. **Public** By default, access to the Key Vault is open to all networks.
 - keyVaultPublicNetworkAccess should remain Enabled
- 2. **Public access from Specified Networks** Access to the Key Vault can be restricted only to specified Virtual Network (VNET) and IP addresses by configuring the following parameters:
 - keyVaultPublicNetworkAccess Should remain Enabled.
 - Set keyVaultFirewallDefaultAction to Deny to reject access to the Key Vault by default.
 - keyVaultIpRules- The `artifacts` stage of the deployment requires pulling secrets from the Key Vault to perform database migrations. Add the IP address of the machine running the deployment as follows.:

keyVaultVirtualNetworkRules - If you are deploying to an ASE, you must add the subnet ID of the subnet where the ASE is
deployed. Otherwise, you must add the subnet IDs of the Linux and Windows App Services to grant them access to the
Key Vault.



Note: For the App Services to access the Key Vault over the *VNET* instead of the public address, the subnet(s) must have the Microsoft.KeyVault Service Endpoint enabled.

keyVaultVirtualNetworkRules - If you are deploying to an ASE, you must add the subnet ID of the subnet where the ASE is deployed. Otherwise, the subnet IDs of the Linux and Windows App Services must be added to grant those services access to the Key Vault.



Note: For the App Services to access the Key Vault over the *VNET* instead of the public address, the subnet(s) must have the Microsoft.KeyVault Service Endpoint enabled.

Private

Private - If you require more security, the Key Vault can be restricted to Private Endpoints only. In this case, the firewall-related settings above will have no effect, and access to the Key Vault will only be allowed via a Private Endpoint. A Private Endpoint on the same VNET as the Linux and Windows App Services must be created manually after running the `shared` stage. Your client machine needs access to the same VNET as the Key Vault to perform migrations during the `artifacts` deployment stage. This may require a VNET Gateway when running the deployment on an on-prem machine.

Set keyVaultPublicNetworkAccess to Disabled.

Azure Services

keyVaultFirewallBypass will determine whether trusted Microsoft services can access the Key Vault. If you choose to auto-generate the Authentication Database (Auth DB) password, the deployment scripts will need to retrieve the secret during the `main` stage, and you should keep this setting set to AzureServices. If you have provided a password for the Auth DB in the parameters file, you can set this setting to None.

3.1.6.3. MySQL Flexible Server Networking

The *MySQL* Flexible Server instance holds authorization and tenant information for the Onsight NOW platform. The app services in the auth resource group require access to the database. Access to the database is restricted using connection strings and passwords stored in the Key Vault but can be further locked down using networking policies.

Auth DB Admin Password - During the `infrastructure` stage, the system will generate a password for the *Auth DB* by default. If you prefer to generate your password, or if Key Vault networking restrictions prevent the bicep scripts from later retrieving that secret during the `main` stage, you can choose to provide your own password:

authDbAdminPassword - Leave this blank to auto-generate a password or specify your own.

Public

- 1. **Public** By default, access to the MySQL Flexible Server is open to all networks.
 - o authDbPublicNetworkAccess should remain Enabled
 - authDbFirewallRules should contain a rule to allow access from ALL networks, similar to the following:

- 2. **Public access from within Azure** Access to the MySQL Flexible Server can be restricted to Azure IP addresses. This will allow Onsight NOW apps to access the database while disallowing access from outside of Azure. Your client machine will need access to the same VNET as the MySQL Flexible Server to perform migrations during the `artifacts` deployment stage. This may require a VNET Gateway when running the deployment from an on-prem machine.
 - o authDbPublicNetworkAccess should remain Enabled
 - authDbFirewallRules should contain rules similar to the following:

Private

Private - If you require more security, you can integrate the MySQL Flexible Server with a *VNET*. To perform the database migrations during the `artifacts` deployment stage, your client machine will need access to the same *VNET*. This may require a *VNET* Gateway when running the deployment from an on-prem machine:

- authDbPublicNetworkAccess Should be set to Disabled
- authDbVirtualNetworkSubnetId should be the ID of a subnet in your VNET that has been delegated to Microsoft.DBforMySQL/ flexibleServers
- authDbPrivateDnsZoneId should be the ID of a Private DNS Zone linked to your *VNET*. The DNS name must end with mysql.database.azure.com Or mysql.database.usgovcloudapi.net, depending on your environment.

3.1.6.4. Redis Cache Networking

The auth service uses the Azure Redis Cache to store temporary session information. Access to the system is controlled through a secure connection string. However, more security measures can be implemented by applying networking policies.

Public

- 1. **Public** By default, access to the Redis Cache is open to all networks.
 - o redisCachePublicNetworkAccess should remain Enabled.
- 2. **Public access from Specified Networks** Public access to the Redis Cache can be restricted only to specified IP addresses. If this setting is enabled, you must configure the Redis Cache with a Private Endpoint to allow access from the auth service. This requires configuring the following parameters:
 - o redisCachePublicNetworkAccess Should remain Enabled.
 - redisCacheFirewallRules should contain rules similar to the following:

Private

Private - If you require more security, the Redis Cache can be restricted to Private Endpoints only. In this case, the firewall-related settings above will have no effect, and access to the Redis Cache will only be allowed via a Private Endpoint. A Private Endpoint on the same VNET as the Linux and Windows App Services can be created manually after running the `shared` stage, or you can choose to create one during the deployment.

- redisCachePublicNetworkAccess should be set to Disabled.
- redisCachePrivateEndpointSubnetId should be the ID of an existing subnet for the Private Endpoint. If you leave this blank, you must create a Private Endpoint manually after running the `shared` stage.
- redisCachePrivateDnsZoneId should be the ID of a Private DNS Zone linked to your *VNET*. The recommended DNS name is privatelink.redis.cache.windows.net Or privatelink.redis.cache.usgovcloudapi.net, depending on your environment.

3.1.6.5. Azure Cosmos DB for Mongo DB Networking

The chat and knowledge capture APIs use the Azure Cosmos Database for Azure Cognitive Search (ACS) to store chat messages, ACS identities for video calling, and knowledge collections. Access to the database is restricted using connection strings and passwords stored in Key Vault but can be further locked down using networking policies.

Public

- 1. **Public** By default, access to the Mongo Database is open to all networks.
 - o mongoDbPublicNetworkAccess Should remain Enabled.
- 2. **Public access from Specified Networks** Access to the *Mongo Database* can be restricted only to specified *VNET* and *IP* addresses. This requires configuring the following parameters:
 - o mongoDbPublicNetworkAccess Should remain Enabled.
 - mongoDbIpRules You can add the IP address of any machine that needs access to the MongoDB here. Also, to enable
 access through the Azure Portal, add the IP addresses for your environment specified in Allow requests from the Azure
 portal.

```
"mongoDbIpRules": {
    "value": [
```

```
{
    "ipAddressOrRange": "<your-ip-address>"
}
]
```

3. mongoDbVirtualNetworkRules - If you are deploying to an App Service Environment, you must add the subnet ID of the subnet where the ASE is deployed. Otherwise, the subnet IDs of the Linux and Windows App Services must be added to give those services access to the Key Vault.



Note: For the App Services to access the MongoDB over the *VNET* instead of the public address, the subnet(s) must have the Microsoft.AzureCosmosDB Service Endpoint enabled.

Private

Private - If you require more security, you can restrict the *Mongo Database* to Private Endpoints only. In this case, the firewall-related settings above will have no effect, and access to the Key Vault will only be allowed via a Private Endpoint. A Private Endpoint on the same *VNET* as the Linux and Windows App Services must be created manually after running the `shared` stage. Your client machine will need access to the same *VNET* as the Key Vault to perform migrations during the `artifacts` deployment stage. This may require a *VNET* Gateway when deploying from an on-prem machine.

• mongoDbPublicNetworkAccess should be set to Disabled.

3.1.6.6. App Service Networking

If the Key Vault, MySQL Flexible Server, Redis Cache, or MongoDB are configured with a Private Endpoint or *VNET* integration, the Onsight NOW app services must be integrated with a *VNET*. If you are deploying the apps to an App Service Environment, it will already be integrated into a *VNET*, and you can skip this section.



Important: Please know the limitations regarding App Service [VNET Integration](https://learn.microsoft.com/en-us/azure/app-service/overview-vnet-integration#limitations). For example, since a subnet can be used only by a single App Service Plan, the Linux and Windows subnet IDs should refer to different subnets.

- linuxVirtualNetworkSubnetId should be the ID of a subnet in your VNET delegated to Microsoft.Web/serverFarms.
- windowsVirtualNetworkSubnetId should be the ID of a subnet in your VNET delegated to Microsoft.Web/serverFarms.

If App Services will access the Key Vault over the VNET instead of the public address, subnets must also have the Microsoft.KeyVault Service Endpoint enabled.

3.1.7. Optional Modules

Onsight NOW supports optional modules or functionality you may include in your deployment. The information that follows is an overview of each optional module. If you change the default value for the following options, you must edit the scripts/modules_to_deploy.sh file and change the corresponding variable's value from true to false (or vice versa).

- 1. Analytics: Provides analytics for reports like Azure Communication Services (ACS) calls, chats, and logins.
 - Default: false
 - o modules to deploy.sh variable: DEPLOY ANALYTICS MODULE

- Communication Services: Includes chat, calling, and MS Teams interoperability. Without this module, all communication services are disabled.
 - Default: true
 - o modules_to_deploy.sh variable: DEPLOY_COMM_SERVICES_MODULE
- 3. Cognitive Services: Includes Computer Vision and OCR functionality when taking photos with the camera.
 - Default: false
 - o modules to deploy.sh variable: DEPLOY COG SERVICES MODULE
- Azure Question and Answer (QnA)s: Includes all cognitive search and text analytics services required to support the answer feature of Ask & Search.
 - Default: false
 - o modules_to_deploy.sh variable: DEPLOY_QNA_SERVICES_MODULE
- 5. **OpenAI**: Includes Azure OpenAI functionality, including model deployment for text embedding and completions. Open AI may not be available in all environments
 - Default: false
 - o modules_to_deploy.sh variable: DEPLOY_OPENAI_MODULE
- 6. Industrial Digital Assistant (Ida): Includes functionality to support the OpenAI module.
 - Default: false
 - o modules_to_deploy.sh variable: DEPLOY_IDA_MODULE
- 7. **Application Gateway**: Provides web traffic load balancing *SSL* termination, and it hosts Onsight NOW behind a custom *DNS* with a *SSL* certificate. Without this component, the web app will be accessible at its default Azure App Service endpoint.
 - Default: false
 - o modules_to_deploy.sh variable: DEPLOY_APP_GATEWAY_MODULE
- 8. **App Registration**: Required for authentication and authorization of Onsight NOW users. If you disable this module, you must create an App Registration manually and fill in the `appRegistration` section in `onsightnow.artifacts.generated.json` before deploying the `artifacts` stage.
 - Default: true
 - o modules_to_deploy.sh variable: DEPLOY_APP_REGISTRATION_MODULE

3.1.8. Application Registration

If you choose not to deploy the **App Registration** module, you must create your own. For information on the requirements for creating your App Registration, please Contact Support (on page 25) for more details.

To supply the details of your created App Registration to the scripts, fill in the `appRegistration` section of onsightnow.artifacts.generated.json after deploying the `main` stage and before deploying the `artifacts` stage.

```
"appRegistration": {
    "authority": "",
    "clientId": "",
    "clientSecret": "",
    "graphApi": "",
    "activeDirectory": ""
}
```

- authority Should be https://login.microsoftonline.com/organizations/v2.0 for Azure public cloud, or https://login.microsoftonline.us/organizations/v2.0 for Azure Government cloud.
- clientId The Client ID of your App Registration.

- clientSecret The Client secret for your App Registration.
- graphApi Should be https://login.microsoftonline.com for Azure public cloud, or https://login.microsoftonline.us for Azure Government cloud.
- activeDirectory Should be https://graph.microsoft.com/ for Azure public cloud, or https://graph.microsoft.us/ for Azure Government cloud.

3.1.9. How to Deploy Onsight NOW



Important: In the following commands, replace "YourSubscriptionName" with the name of your subscription from the prerequisites section. If your subscription name is more than one word, you **must** keep the quotes around the subscription name in the following commands.

Logging verbosity can be specified by adding a --verbose flag to the end of the below commands (e.g., ./deploy_onsightnow.sh "YourSubscriptionName" shared --verbose).



Tip: You should only enable Verbose logging for deployment scripts. Currently, the *Azure CLI* does not support verbosity logging in bicep scripts. You can locate them in the `Deployments' section of the resource groups.

Use the following command line parameters to deploy Onsight NOW:

- 1. Run ./deploy_onsightnow.sh "YourSubscriptionName" shared.
- 2. Take any appropriate action displayed in the console output once the above script completes.
- 3. Run ./deploy_onsightnow.sh "YourSubscriptionName" main.
- 4. Take any appropriate action displayed in the console output once the above script completes.
- 5. Run ./deploy_onsightnow.sh "YourSubscriptionName" artifacts.
- 6. Once the deployment is successful, the system sends you a link to access the new Onsight NOW portal.



Note: When logging in for the first time, you must grant admin consent for the "onsight NOW" App Registration in your Azure Subscription.

Notes

- 1. Errors will appear if you delete all resource groups for your deployment and try to redeploy with the same organization prefix. These errors occur because the soft-delete feature is automatically enabled for all App Configuration stores in the standard tier. When a standard tier App Configuration store is deleted, its name is reserved for the entire retention period.
- 2. To recreate a store with the same name before the retention period expires, you must first purge the soft-deleted store unless the store has purge protection enabled. If purge protection is enabled, you must wait for the retention period to pass. For more information, please refer to Why can't I create an App Configuration store with the same name as one that I just deleted?

3.2. Implementing Question Answering

Question Answering is part of the **Ask & Search** service. Ask & Search enables users to search Email, Contacts, SharePoint, and Answers. To implement Question Answering options, you will need to:

- Sign in to Azure Language Studio: Use your Azure account credentials to sign in to the Azure Language Studio. Select from one of the following options:
 - Azure Government Cloud:

https://language.cognitive.azure.us/

• Azure Public Cloud:

Language Studio - Microsoft Azure

 If this is your first time logging in, a dialog box displays that lets you choose a language resource. Select a Language resource option from the drop-down menu for an Onsight NOW deployment.

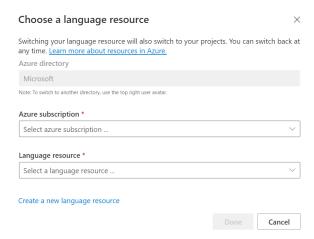


Figure 3-1 Choose a Language Resource

- 3. Create a new custom project and ensure the name is "question-answering".
 - a. Click the Create new drop-down menu and select Custom question answering from the list that appears.
 - Enter "question-answering" within the Name field.
 - c. Click Next to continue and click Create Project.

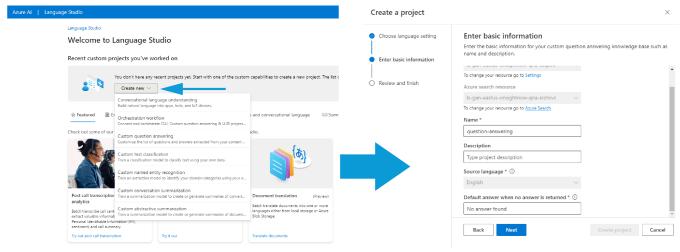


Figure 3-2 Create a New Project

4. **Add Source Data**: Locate the section or option for adding source data to your project.

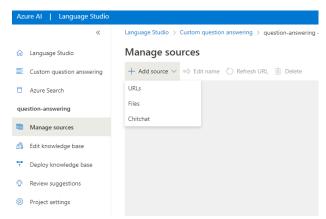


Figure 3-3 Manage Sources

5. **Deploy the Project**: Once you have added your source data, you need to deploy your project. Locate the deployment or publishing option and ensure that the deployment name is set to **production**, which is the default setting. Then, deploy your project.

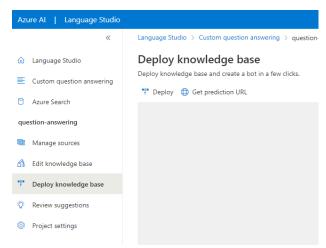


Figure 3-4 Deploy a Knowledge Base

Related information

Official Microsoft documentation — What is question answering? - Azure Cognitive Services | Microsoft Learn.

3.3. Validating an Onsight NOW Deployment

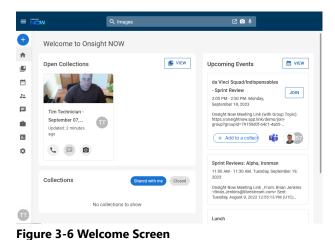
Typically, you can validate an Onsight NOW deployment by logging in and calling a contact.

 Launch a web browser (Chrome, Firefox, or MS Edge) and enter the "webAppFqdn" value as the fully qualified domain name within the URL field. The Onsight NOW login screen appears.



Figure 3-5 Onsight NOW Login

2. Click the **Sign in with Microsoft** button. The Welcome screen appears.



3. Click the **Menu** icon in the top-left corner of the screen to access the **Navigation** bar.

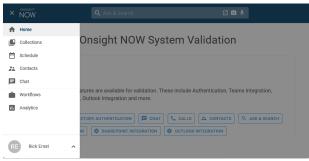


Figure 3-7 Application Bar

4. Click **Contacts** to display your contact list. Then click the **Close** (X) icon in the top-left corner to collapse the application bar.

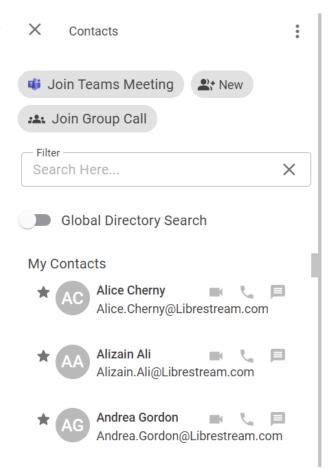


Figure 3-8 Contact List

5. Locate a name within the contact list and click the **Video** icon to make a video call or click the **Phone** icon to make an audio call. A window appears that says, Calling...

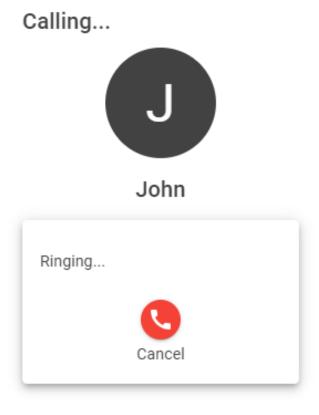


Figure 3-9 Calling

- 6. The contact receives a message that says, Incoming Call....
 - a. Click **Answer** to accept the call.
 - b. If a custom message appears during the login process, prompting you to agree to the terms and conditions, you must click the **OK** button to indicate your compliance and proceed.
 - c. When prompted to allow access to your microphone, camera, device location, or other permissions, click the OK, Allow, or Yes button as needed.
- 7. When a call is active, the Audio and Video controls appear at the bottom of the screen.

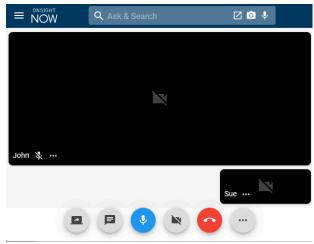


Figure 3-10 Active Call

8. Toggle your **Video** camera **On** or **Off**, as necessary. This completes the procedure.

Appendices

Contact Support

For Support inquiries:

• Email: support@librestream.com

• Web: https://librestream.com/contact-us-support/

• **Phone**: 1.800.849.5507 or +1.204.487.0612



Figure 4-1 Contact Support QR Code

Glossary

Adaptive Server Enterprise

Adaptive Server Enterprise (Systems Applications and Products in Data Processing (SAP) ASE) is a relational model database server developed by Sybase Corporation that was incorporated into SAP.

Adaptive Server Enterprise (SAP ASE)

(SAP ASE)

Application Insights

Application Insights extends Azure Monitor capabilities by providing Application Performance Monitoring (APM) capabilities.

Application Programming Interface

An Application Programming Interface (API) represents a set of rules that define how applications and devices can connect and communicate with each other.

Application Programming Interface (API)

API

Artificial Intelligence

Artificial Intelligence (AI) is intelligence demonstrated by machines, unlike the natural intelligence displayed by humans and animals, which involves consciousness and emotionality.

Artificial Intelligence (AI)

ΑI

Authentication Database

An Authentication Database (Auth DB) represents an index of known users and provides a process that authenicates client requests against the index.

Authentication Database (Auth DB)

Auth DB

Authentication Server Service

The Authentication Server app service manages processes that authenticate user credentials and passwords during login using a *MySQL* Flexible Server database (DB) to grant access to a network, application, or system.

Azure

Microsoft Azure (on page 30)

Azure Active Directory

Azure Active Directory (AAD) was Microsoft's cloud-based *IAM* solution that manages authentication and authorization services across an enterprise. It was renamed to *Microsoft Entra ID*.

Azure Active Directory (AAD)

AAD

Microsoft Entra ID (on page 30)

Azure Application Gateway

Azure Application Gateway enables an organization to transfer data to the cloud for archival, disaster recovery, and data processing.

Azure App Service Environment

The Azure App Service Environment (ASE) is

App Service Environment (ASE)

ASE

Azure Cognitive Search

Azure Cognitive Search (ACS) engine — Enables Onsight NOW applications and AI cognitive services to retrieve answers from user-owned content. User-owned refers to an organization's catalog of proprietary content, including applications and data.

Azure Cognitive Search (ACS)

ACS

Azure Cognitive Services

Azure Cognitive Services (ACS) provides cloud-based *AI* services that utilize *API*s to enable developers to build machine learning, logical reasoning, comprehension, and advanced decision-making into applications.

Azure Communication Services

Azure Communication Services (ACS) represent cloud-based services that utilize REST *API*s and client library Software Development Kits (SDKs) to integrate voice, video, chat, and Short Message Service (SMS) across all of your applications.

Azure Communication Services (ACS)

ACS

Azure Computer Vision

Azure Computer Vision enables Onsight applications to analyze images using features that can recognize text, tag images, extract text using Optical Character Recognition (OCR), detect faces, and perform facial recognition.

Azure Cosmos Database

Microsoft's Azure Cosmos Database (Db) is a multi-model, globally distributed, cost-effective, and responsive database service that can scale with your applications.

Azure Government Cloud

Azure Government Cloud (GC) provides a shared cloud computing service environment specifically designed to meet compliance and security requirements for the United States government.

Azure Government Cloud (GC)

Azure GC

Azure Key Vault

Azure Key Vault is a cloud-based service that protects cryptographic keys, passwords, certificates, and secrets, typically including connection strings and passwords.

Azure Language Service

Azure Language Services enables Onsight NOW applications to provide *Natural Language Processing (NLP)* capabilities that display real-time translated captions during a call and when playing back a recording. *NLP* also includes identifying keywords and phrases, summarizing text, and analyzing sentiment.

Azure Monitor

Microsoft's Azure Monitor is an effective monitoring service that collects and analyzes data and assists with identifying issues affecting applications and their resources.

Azure Question & Answer Service

The Azure Question and Answer (QnA) service is a cloud-based Natural Language Processing service that is part of the Azure Cognitive Services solution. It enables users to train a bot to respond to natural language queries, identify key terms and phrases and provides a conversational layer above their data.

Azure Question and Answer (QnA)

QnA

Azure Redis Cache

Azure Cache for REmote Dictionary Server (Redis) is a service that provides an in-memory data store based on the Redis software.

Azure Resource Group

An Azure Resource Group (RG) is a container that stores related resources managed as a group. Administrators use resource groups to apply access control, manage and assign policies, roles, and lock resources.

Resource Group (RG)

RG

Chat API

Chat is a Restful *API* service that provides the back-end infrastructure for embedding real-time messaging services within the Onsight NOW application.

Command Line Interface

A Command Line Interface (CLI) is a text-based editing environment that is text-based and can run programs, manage computer files, and execute tasks.

Command Line Interface (CLI)

CLI

Domain Name Server

A Domain Name Server (DNS) translates a computer's hostname into a unique IP address.

Domain Name Server (DNS)

DNS

Event Grid Topic

An Event Grid is a service that helps organizations manage events across many Azure services and applications. It's fully managed, highly scalable, and easy to use. An Event Grid Topic is an endpoint for all events sent from different sources. It classifies events and determines whether there will be one or more topics. A topic represents a group of related events.

Industrial Digital Assistant

Industrial Digital Assistant (Ida) is a chatbot that uses captured and delivered knowledge to provide customized and personalized assistance. Ida is highly advanced and utilizes *Al* to surface relevant answers as text from the user's chat history by providing suggested responses.

Industrial Digital Assistant (Ida)

Ida

Identity and Access Management

Identity and Access Management (IAM) is a web service that enables organizations to manage user identities and access permissions for critical information within a computer network.

Identity Access Management (IAM)

IAM

Internet Protocol

Internet Protocol (IP) represents a unique string of characters that identifies each device on a network using an Internet Protocol address.

Internet Protocol (IP)

IΡ

Internet of Things

The Internet of Things describes the network of physical objects (things) embedded with sensors, software, and other technologies to connect and exchange data with other devices and systems over the internet.

Internet of Things (IoT)

loT

JavaScript Object Notation

JavaScript Object Notation (JSON) is a lightweight open-source structured data file format that is text-based, supports data interchange, is human-readable, and can store and transmit data objects.

JavaScript Object Notation (JSON)

JSON

JSON Query

JSON (on page 30) Query (JQ) is a lightweight flexible, command line interface that can reference elements stored in JSON files. JQ can slice, filter, and transform elements within the JSON file.

JSON Query (JQ)

JQ

Linux App Service Plan

The Linux App Service Plan (ASP) provides a subscription model for hosting apps on Azure. This platform enables the hosting of multiple applications on a single server without requiring payment for each app. Deployment can be accomplished using the Azure Command Line Interface (CLI).

Linux App Service Plan (ASP)

Linux ASP

Microsoft Azure

Azure is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers.

Mongo Database

Mongo Database (Db) is a flexible, non-relational document database that stores unstructured data within JavaScript Object Notation (JSON) format, including full indexing support, replication, and easy-to-use *API*s.

Microsoft Entra ID

Microsoft Entra Verified ID is Microsoft's cloud-based *IAM* solution that manages authentication and authorization services across an enterprise. It replaces Azure Active Directory (AAD).

Microsoft Entra ID

Azure Active Directory (on page 26)

Multi-factor Authentication

Multi-factor Authentication (MFA) is a multi-step process that requires a user to provide two or more pieces of identity information to validate their identity.

Multi-factor Authentication (MFA)

MFA

My Structured Query Language

My Structured Query Language (My SQL) Database (DB) is an open-source relational database management system that uses Structured Query Language (SQL). MySQL organizes information into one or more data tables, where data types can be related to one another. SQL is used to store, modify, extract and delete data in an organized fashion.

My Structured Query Language (My SQL)

MySQL

Natural Language Processing

Natural Language Processing (NLP) is a service option for Onsight Connect that provides real-time translated captions in the Viewer during a call or the playback of recordings.

Natural Language Processing (NLP)

NLP

Office 365 Government Community Cloud

Office 365 Government Community Cloud (GCC) provides a shared cloud computing service environment specifically designed to meet compliance and security requirements for government customers using Microsoft's Office 365 productivity suite.

Office 365 Government Community Cloud (GCC)

Office 365 GCC

OpenAl

OpenA/ is a non-profit company that conducts research in the field of artificial intelligence. They have developed a collection of open source *Restful Application Programming Interface (REST API)*s which allow software engineers to build solutions powered by A/.

Open Artificial Intelligence (OpenAI)

OpenAl

Optical Character Recognition

Optical Character Recognition (OCR) is the process of converting a digital image containing printed characters into a machine-readable text format, which is then transformed into an electronic document.

Optical Character Recognition (OCR)

OCR

Operating System

The Operating System (OS) is the software that supports a device's basic functions.

Operating System (OS)

OS

Platform as a Service

Platform As a Service (PaaS) provides a complete cloud platform, including hardware, software, and infrastructure for developing, running, and managing applications.

Platform as a Service (PaaS)

PaaS

Public Internet Protocol

A Public IP is a version 4 address reachable online.

Public Internet Protocol (IP)

Public IP

Redis

REmoteDictionary Server (Redis) is an open-source in-memory data store. Developers use it as a non-relational database, application cache, streaming engine, and message broker. Its main purpose is to store metadata about user's profiles, histories, and authentication token to improve streaming content to both mobile and desktop users.

REmote Dictionary Server (Redis)

Redis

Restful Application Programming Interface

The Restful Application Programming Interface (REST API) is a programming interface that uses the REST design pattern as a web-based interface to various services.

Restful Application Programming Interface (REST API)

REST API

Secure Sockets Layer

Secure Sockets Layer (SSL) enables a secure internet connection and safeguards sensitive information transmitted between two systems. SSL provides encryption and server authentication over the internet.

Secure Sockets Layer (SSL)

SSL

Software as a Service

Software as a Service (SaaS) is a cloud-based solution that enables end users to access software applications over the internet using a subscription service.

Software as a Service (SaaS)

SaaS

Software Development Kit

A Software Development Kit (SDK) is a package that includes all the necessary software development tools for third-party developers to write applications for a specific platform or programming language.

Software Development Kit (SDK)

SDK

Stock Keeping Unit

A Stock Keeping Unit (SKU) represents an eight digit number that retailers use to track product inventory

Stock Keeping Unit (SKU)

SKU

Systems Applications & Products in Data Processing

Systems Applications and Products in Data Processing (SAP) is the definitive standard for Enterprise Resource Planning (ERP) software applications. SAP which also represents the company name, includes fully integrated modules that cover every aspect for managing business operations and customer relationships.

Systems Applications and Products in Data Processing (SAP)

SAP

Windows Subsystem for Linux

Windows Subsystem for Linux (WSL) is a Windows feature that enables developers to run a Linux environment within Windows without needing a virtual machine.

Windows Subsystem for Linux (WSL)

WSL

Virtual Network

A Virtual Network (VNET) is a networking system in the cloud that works similarly to a physical network by combining all hardware, software, and network resources into one optimized administrative unit.

Virtual Network (VNET)

VNET

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