## Document History

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1. Introduction

The purpose of this document is to assist the user (developer) on how to migrate an application, database, or application dependencies to the cloud (Azure) and determine the migration-readiness of an application or database for container services, app services, or virtual machine with the list of recommendations and remedies using CloudPilot® tool.

2. Using CloudPilot®

2.1 REGISTRATION

To use CloudPilot® tool, you need to register yourself.

1. Go to https://cloudpilot.cloudatlasinc.com/

You will be directed to Work or School Account authentication page of the CloudPilot® Portal as shown in Figure 1: CloudPilot Home Page.

Figure 1: CloudPilot Home Page
2. Log in with your Work or School account on CloudPilot portal and click Work or School Account button to access CloudPilot as shown in Figure 2: Work or School Account.

NOTE: If you do not have a Work or School account then you can SignIn with your CloudPilot ID. To generate a new CloudPilot ID, you can contact our support team on support@unifycloud.com or click here.

Figure 2: Work or School Account

3. Enter your credentials and click Next to login as shown in Figure 3: CloudPilot Portal - Sign In.

NOTE: If you do not have a Microsoft account then you need to create one, click Create one button as shown in Figure 3: CloudPilot Portal - Sign In.
Once you have signed in the CloudPilot portal, report with sample data will appear.

4. On the top right side of the CloudPilot page, click **Activate free trial** button to access the free services of CloudPilot as shown in **Figure 4: Sample Report Data**.
2.2 **DOWNLOAD CLOUDPILOT® MIGRATION TOOL**

Once you have activated the free trial services of CloudPilot, you will be redirected to the CloudPilot product page as shown in **Figure 5: CloudPilot Product Page**.

**NOTE:**
1. On the top right side of the CloudPilot product page, click **Reports with Sample Data**, if you need to review the sample reports again, as shown in **Figure 5: CloudPilot Product Page**.
2. Once you are registered with CloudPilot portal, you will be able to download **CloudPilot Migration Tool**.
3. In case, you want to re-download **CloudPilot Migration Tool**, on the top left side of the CloudPilot dashboard, click **Download Product** tab as shown in **Figure 5: CloudPilot Product Page**.

![Figure 5: CloudPilot Product Page](image)

1. Click **Download** and follow the instructions to install the **CloudPilot Migration Tool** on your machine as shown in **Figure 6: CloudPilot Migration Tool**.

2. For more information on how to use the **CloudPilot Migration Tool**, click **Download User Guide** button as shown in **Figure 6: CloudPilot Migration Tool**.

**NOTE:** CloudPilot Migration Tool is compatible with **Windows 7 and above**.
After the CloudPilot Migration Tool is downloaded on your machine, you need to upload and scan your data as per the steps mentioned in Chapter 3: Cloud migration assessment using CloudPilot® of this user guide.

3. Once the application is uploaded and scanned by the CloudPilot Migration Tool, click Try with live data to check your own application to get its migration assessment as shown in Figure 7: Try with live data.

![Figure 6: CloudPilot Migration Tool](image1)

![Figure 7: Try with live data](image2)
3. Cloud migration assessment using CloudPilot®

Follow the steps below to do cloud migration assessment of an application, database and other application dependencies that need to be migrated to Azure using CloudPilot® tool:

**NOTE:** At any time during the cloud migration assessment if you need to know about any text boxes just hover over Help button 📝.

**NOTE:** Fields marked with * are mandatory and needs to be filled or selected as per choice.

**NOTE:** At any time during the cloud migration assessment if you need to make any changes in your previous windows, click Back if applicable.

**NOTE:** tab on the left-side of the CloudPilot Migration Tool is to add a new project.

**NOTE:** tab on the left-side of the CloudPilot Migration Tool is to redirect to the window with the list of the projects if any.

**NOTE:** To use the CloudPilot® tool:
1. You need to register on https://cloudpilot.cloudatlasinc.com/
2. You need to download CloudPilot Migration Tool on your system.
For more details, please go through our Chapter - 2 - Using CloudPilot®.
3.1 CREATE PROJECT

1. Double-click the icon as shown in Figure 8: CloudPilot Tool Icon.

A welcome screen with the title CloudPilot is displayed as shown in Figure 9: Welcome Screen.
2. To start with a **New Project**, click the **+** tab on the left-side of the CloudPilot Migration Tool as shown in **Figure 10: New Project**.

![Figure 10: New Project](image)

3. Enter the project name in the text box and click **Add** as shown in **Figure 11: Add Project**.

![Figure 11: Add Project](image)
3.1.1 Add Application

1. Enter the Application name.
2. Select Application Type as a Web application.

**NOTE**: You need to follow the same procedure for Windows services or Console application types.

3. Select Platform as Microsoft.Net as shown in Figure 12: Add Application Details – Microsoft.Net.

**NOTE**: If you need to skip the details to be added later, click Skip you will be redirected to the screen as shown in Figure 32: Thumbnails.

![Figure 12: Add Application Details – Microsoft.Net](image)

4. Under the Source Code Location section, click Browse and provide the path of your source application.

If you have the solution file, select the Solution file path radio button otherwise, you can directly select the project folder path by selecting the Solution folder path radio button as shown in Figure 13: Application - Source Code Location.
NOTE: Browse at least one of the Code Location at one time.

Figure 13: Application - Source Code Location

5. Provide details of Compiled Code Location, click Browse and provide the path of your compiled code location as shown in Figure 14: Browse – Compiled Code location.

Figure 14: Browse – Compiled Code location
6. Once the application details are complete, click **Add & Next**.

7. You will get a dialog box with a message “Application added successfully”, click **OK** as shown in **Figure 15: Application Added Successfully**.

   **NOTE:** If you want to add more than 1 application at one time, click **Add**.

![Figure 15: Application Added Successfully](image)

8. Select Platform as Java as shown in **Figure 16: Add Application Details – Java**.

   **NOTE:** If you need to skip the details to be added later, click **Skip** you will be redirected to the screen as shown in **Figure 32: Thumbnails**.
Figure 16: Add Application Details – Java

9. Under the Application folder path section, click **Browse** and provide the path of your Java source application.

If you have .pom file, select the **Pom file path** radio button otherwise, you can directly select the project folder path by selecting the **Application folder path** radio button as shown in Figure 17: Java Application - Source Code Location.
10. Provide details of Source Code Location, click **Browse** and provide the path of your compiled code location as shown in **Figure 18: Browse – Source Code location**.

![Figure 18: Browse – Source Code location](image)

11. Once the Java application details are complete, click **Add & Next**.

12. You will get a dialog box with a message “Application added successfully”, click **OK** as shown in **Figure 19: Java Application Added Successfully**.

**NOTE**: If you want to add more than 1 Java application at one time, click **Add**.
NOTE: In a project, you can add applications and dependencies with either the dot net or Java application platform. You cannot have applications of both the platform in a single project.

3.1.2 Add Database

IMPORTANT: *Logged in user must have SysAdmin permission to the Database server.

IMPORANT: Microsoft Data Migration Assistant should be installed to assess database. If you haven’t downloaded, click on click here button to download as shown in Figure 20: Add Database Details.

1. After the installation of Microsoft Data Migration Assistant. Enter the details of your On-premises Database Server as shown in Figure 20: Add Database Details.
2. Select the desired Database Platform radio button.

**NOTE:** For MySQL, database platform refer to Figure 26: MySQL - Database Platform.

**SQL Server – Database Platform**

1. Enter Server Name.

2. Select the Authentication to your choice either to SQL Server Authentication or Windows Authentication.

**NOTE:** For SQL Server Authentication, you need to enter your credentials and click **Connect** to connect to the cloud remote server.
SQL Server Authentication

1. Select authentication as SQL Server Authentication.

2. Enter your credentials and click +Connect to connect to the cloud remote server as shown in Figure 21: Authentication – SQL Server.

3. Click Add & Next.

   **NOTE:** If you want to add more than 1 database select the Database Name check box and click Add.

4. You will get a dialog box with a message “1 Database (s) added”, click OK as shown in Figure 22: Database Added.
Windows Authentication

1. Select authentication as Windows as shown in Figure 23: Authentication – Windows.

NOTE: If you select Windows Authentication, no username and password need to be entered.
2. Select the specific Database Name check box as shown in **Figure 24: Select Database Name**.

**NOTE**: If you want to add more than 1 database, select the **Database Name** check box and click **Add**.

![Figure 24: Select Database Name](image)

3. Once the Database details are complete, click **Add & Next**.

4. You will get a dialog box with a message “1 Database(s) added successfully”, click **OK** as shown in **Figure 25: Database Added**.
Figure 25: Database Added

MySQL - Database Platform

1. Enter the Server Name.

2. Enter your credentials and click **+Connect** to connect to the cloud remote server as shown in **Figure 26: MySQL - Database Platform**.

3. Select the specific Database Name check box as shown in **Figure 26: MySQL - Database Platform**.

**NOTE**: If you want to add more than 1 database, select the **Database Name** check box and click **Add**.
4. Once the Database details are complete, click **Add & Next**.

5. You will get a dialog box with a message "1 Database(s) added successfully", click **OK** as shown in **Figure 27: MySQL Database Added**.
3.1.3 Add Application Dependencies

1. Enter the Service name.
2. Select Service Type as Web API.

**NOTE:** You need to follow the same procedure for Web services or WCF service types.

3. Select Platform as Microsoft.Net as shown in Figure 28: Add Application Dependencies.

**NOTE:** If you need to skip the details to be added later, click **Skip** you will be redirected to the screen as shown in Figure 32: Thumbnails.

4. Under the Source Code Location section, click **Browse** and provide the path of your source application.

If you have the solution file, select the **Solution file path** radio button otherwise, you can directly select the project folder path by selecting the **Solution folder path** radio button as shown in Figure 29: Application Dependencies - Source Code Location.
NOTE: Browse at least 1 of the Code Location at one time.

Figure 29: Application Dependencies - Source Code Location

5. Provide details of Compiled Code Location, click Browse and provide the path of your compiled code location as shown in Figure 30: Browse – Compiled Code location.

Figure 30: Browse – Compiled Code location
6. Once the application details are complete click **Add & Next**.

7. You will get a dialog box with a message “Service added successfully”, click **OK** as shown in **Figure 31: Application Added Successfully**.

   **NOTE**: If you want to add more than 1 application dependencies at one time, click **Add**.

   ![Figure 31: Application Added Successfully](image)

8. Once the Application, Database and Service details are added, respective thumbnails are seen with the quantity as shown in **Figure 32: Thumbnails**.
3.2 Scanning Application, Database & Services for Assessment

3.2.1 Application Scan

Microsoft.Net Technology

1. To start the assessment of the application, click Application thumbnail and then click Start Assessment as shown in Figure 33: Microsoft.Net Application – Scan.
NOTE: Based on the survey conducted on Application and Infrastructure Platform, the questionnaire has been created here.

Application Platform Details

1. Select the specific radio button for Application Platform then click Next as shown in Figure 34: Dot Net Web Application Platform.

NOTE: At any time during the questionnaire, if you need to make any changes in your previous windows, click Back if applicable.

![Figure 34: Dot Net Web Application Platform](image)

Java Platform

1. To start the assessment of the Java application, click Application thumbnail and then click Start Assessment as shown in Figure 35: Java Application – Scan.
NOTE: Based on the survey conducted on Application and Infrastructure Platform, the questionnaire has been created here.

Application Platform Details

1. Select the specific radio button for Application Platform then click **Next** as shown in **Figure 36: Java Web Application Platform**.

NOTE: At any time during the questionnaire, if you need to make any changes in your previous windows, click **Back** if applicable.
1. Select the specific radio button for Application Infrastructure Survey questionnaire and click **Start Scan** for scanning the application for migration as shown in **Figure 37: Application Infrastructure Survey – Questionnaire**.

**NOTE**: At any time during the questionnaire, if you need to know about any text boxes just hover over **Help** button 📜.
3.2.2 Database Scan

1. To start the assessment of the database, click **Database** thumbnail and then click **Start Assessment** as shown in Figure 38: Database – Scan.

![Figure 38: Database – Scan](image)

3.2.3 Application Dependencies Scan

1. To start the assessment of the services, click **Services** thumbnail and then click **Start Assessment** as shown in Figure 39: Services – Scan.

**NOTE:** To scan for application dependencies there must be at least one application details added.
Once the details for application, database and application dependencies are complete, the “scanning progress bar” appears as shown in Figure 40: Scanning Progress Bar Window.

**NOTE:** If you want to pause the current scanning, click **Pause** but it is advised to continue the scanning.

**NOTE:** If you want to stop the scanning at any time, click **Stop Scan** which will redirect you to Figure 32: Thumbnails.

**WARNING:** If you stop scan during the scanning partial report will be generated, so it is advised to continue the scanning.
Once the scanning is completed, you will get a window to **View Scanned Data** or **Sign in & Upload** on CloudPilot® tool as shown in **Figure 41: Dependency Details**.

### 3.3 Upload Scanned Data

#### 3.3.1 Assessment Scan Data List

Once the scanning of application, database and application dependencies are completed. You will be redirected to the Dependency Details window as shown in **Figure 41: Dependency Details**.

**IMPORTANT:**

1. For more information on dependencies, click on **Click here** button as shown in **Figure 41: Dependency Details**.
2. To add new dependencies, click **Add New Dependency** button which will redirect you to screen as shown in **Figure 28: Add Application Dependencies**.
3. To upload the scanned application data directly, click **Sign In & Upload** button as shown in **Figure 43: Sign in & Upload Scanned Data**.
4. At any time during the scanning if you need to make any changes in your previous windows, click **Back**.
1. Click **View Scanned Data** to view the multiple assessment file data list as shown in **Figure 42: Assessment Files Data List**.

2. To view multiple files, select multiple **Assessment files** check box and click **View All files** as shown in **Figure 42: Assessment Files Data List**.

**NOTE**: You can click either of the following function buttons with the list of assessment scanned files:

- **Open button**: Directly open the scanned data.
- **Save button**: Save the scanned data to the existing location as per the user.
- **Upload button**: Upload the scanned data on the CloudPilot® portal.
- **View button**: View the assessment report on the CloudPilot® portal.
3. Click **Close** to close the assessment file dialog box.

**IMPORTANT:** You need to click **Back** to view the status of the assessment files uploaded.

### 3.3.2 Upload Assessment Scanned Data

1. To upload the scanned application data, click **Sign in & Upload** as shown in **Figure 43: Sign in & Upload Scanned Data.**
A window will display with login details to be entered to access the CloudPilot Migration Tool as shown in Figure 44: Login Details - CloudPilot Migration Tool.

![Figure 44: Login Details - CloudPilot Migration Tool](image)

You will be redirected to the CloudPilot® portal where you need to again enter the login credentials to access the CloudPilot® portal for uploading the application data as shown in Figure 45: Login Details - CloudPilot Portal.

![Figure 45: Login Details - CloudPilot Portal](image)
After the application data is uploaded, a dialog box will appear with a message “Successfully uploaded”. “Application’s Scanned Data is successfully uploaded”.

2. Click OK as shown in Figure 46: Application Data – Scanned.

**IMPORTANT**: You need to click Back to view the status of the assessment files uploaded.

### 3.3.2.1 Analyze Data Report

There are two ways to analyze the scanned data results:

1. To analyze the scanned results, click View button on the assessment file dialog box as shown in Figure 47: Application – View Portal Button.
You will be navigated to the CloudPilot Portal as shown in Figure 49: Work or School Account – Assessment Reports.

OR

2. To analyze the scanned results, click on **Click here to view the report(s) on CloudPilot portal** button on the CloudPilot Tool window as shown in Figure 48: Application – View CloudPilot Portal Link.

**IMPORTANT**: You need to click **Back** to view the status of the assessment files uploaded and to view the CloudPilot reports on CloudPilot portal.

You will be navigated to the CloudPilot Portal as shown in Figure 49: Work or School Account – Assessment Reports.
3.4 **ANALYSES OF SCANNED DATA & GENERATE ASSESSMENT REPORTS**

After uploading the scanned data, you will be redirected to CloudPilot® portal to analyze the application, database and application dependencies scanned reports.

1. Click **Work or School Account** button and enter your credentials to access CloudPilot dashboard as shown in **Figure 49: Work or School Account – Assessment Reports.**
Figure 49: Work or School Account – Assessment Reports

You will login to the CloudPilot Dashboard which contains the statistic overview of the application, database and application dependencies assessment as shown in Figure 50: CloudPilot® - Dashboard.

NOTE: You need to implement all the recommendations to remediate your application, database and application dependencies.

Figure 50: CloudPilot® - Dashboard
2. Click **Analysis** button as shown in Figure 51: Analysis Dashboard.

![Figure 51: Analysis Dashboard](image)

A list of the questionnaire related to your application appears.

3. Select the specific radio button and click **Next** as shown in Figure 52: List of Questionnaire.
A window appears with Azure Compliance Certificates.

4. Select the Azure Compliance Certificate check box.

5. Click **Show Report** to generate the recommendation report based on your application scanned as shown in **Figure 53: Azure Compliance Certificate**.

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**Figure 52: List of Questionnaire**

**Figure 53: Azure Compliance Certificate**
3.4.1 Assessment Report

Microsoft.Net Technology

Application Name: MyApp26Jan, the report appears as shown in Figure 54: CloudPilot® - Overview Report.

Recommendation report contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and database based on the answers provided by the user/developer.

Overview Report

Refer to Figure 54: CloudPilot® - Overview Report: This is the overall summary received after the application and database are scanned. It shows the number of files/projects scanned, how many data points were found in the application, the reason for the change, the percentage of changes that are mandatory, optional, and the percentage of files, which are ready to migrate to Azure and file details.

NOTE: Identity readiness recommendation depends on the application and database platform.
Figure 54: CloudPilot® - Overview Report

Application Recommendation
1. Container Assessment
2. App Service Assessment
3. Virtual Machine Assessment

Database Recommendation
1. Database Assessment
   a. Azure SQL Readiness
   b. SQL on Virtual Machine Readiness

Security Recommendation
1. Application Security Readiness
2. Database Security Readiness
Application Assessment Report

This report shows the list of recommendations for all the application script scanned.

Container Assessment

Refer to Figure 55: Container Assessment: The recommendation report for container readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

App Service Assessment

Refer to Figure 56: App Service Assessment: The recommendation report for app service readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.
Virtual Machine Assessment

Refer to Figure 57: Virtual Machine Assessment: The recommendation report for virtual machine readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

Figure 57: Virtual Machine Assessment
Database Assessment Report

This report shows the list of recommendations for all the database script scanned.

Database Readiness

Refer to Figure 58: Database Assessment: The recommendation report for database readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

![Figure 58: Database Assessment](image)

Database Azure SQL

Refer to Figure 59: Database Azure SQL: The recommendation report for database SQL Azure contains recommendation setting for impacted objects, total efforts, and total recommendations.
Figure 59: Database Azure SQL

Project Dependency Tree

Refer to Figure 60: Project Dependency Tree: This report shows the dependency of the application component.
Security Assessment Report

Refer to Figure 61: Security Recommendation: This report shows the list of security-related recommendations for application and database security readiness.

Azure Compliance Report

Refer to Figure 62: Azure Compliance Report: This report shows the compliance status of the services.

Figure 61: Security Recommendation

Figure 62: Azure Compliance Report
Java Application Assessment Report

Application Name: Demo, the report appears as shown in Figure 63: CloudPilot® - Overview Report.

Recommendation report contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and database based on the answers provided by the user/developer.

Overview Report

Refer to Figure 63: CloudPilot® - Overview Report: This is the overall summary received after the Java application and database are scanned. It shows the number of files/projects scanned, how many data points were found in the Java application, the reason for the change, the percentage of changes that are mandatory, optional, and the percentage of files, which are ready to migrate to Azure and file details.

NOTE: Identity readiness recommendation depends on the application and database platform.

Figure 63: CloudPilot® - Overview Report

Java Application Recommendation

1. Container Assessment
2. App Service Assessment
3. Virtual Machine Assessment
Database Recommendation

1. Database Assessment
   a. Azure SQL Readiness
   b. SQL on Virtual Machine Readiness

Security Recommendation

1. Application Security Readiness
2. Database Security Readiness

Application Assessment Report

This report shows the list of recommendations for all the Java application script scanned.

Container Assessment

Refer to Figure 64: Container Assessment: The recommendation report for container readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

![Figure 64: Container Assessment](image)

App Service Assessment

Refer to Figure 65: App Service Assessment: The recommendation report for Azure app service readiness contains recommendation setting related to source code based on the assessment results.
code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

Figure 65: App Service Assessment

Virtual Machine Assessment

Refer to Figure 66: Virtual Machine Assessment: The recommendation report for virtual machine readiness contains recommendation setting related to source code based on the scanning as well as recommendation setting for configuration, security, network, and storage based on the answers provided by the user/developer.

Figure 66: Virtual Machine Assessment
Security Recommendation

Refer to Figure 67: Security Recommendation: This report shows the list of security-related recommendations for Java application and database security readiness.

Figure 67: Security Recommendation

NOTE:
1. You can analyze the reports and select application questions as described in Section 3.4.1: Assessment Report.
2. These reports will share the information for those application, database and application dependencies files which are applicable to migrate under cloud readiness recommendations.
4. Cloud migration using CloudPilot®

4.1 APPLICATION MIGRATION TO AZURE

Follow the steps below to migrate your application to Azure using CloudPilot® tool:

NOTE: At any time during the migration if you need to know about any text boxes or option button just hover over Help button.

NOTE: At any time during the migration if you need to make any changes in your previous windows, click Back if applicable.

NOTE: Fields marked with * are mandatory and needs to be filled or selected as per choice.

1. Once the assessment report is generated, click Start Migration to migrate the application to Azure as shown in Figure 68: Application Migration.

IMPORTANT: You need to click button after data analysis to update the assessment status and to make the Start Migration button active.
4.1.1 Migration Option

There are three services of application migration:

1. Container Services
2. Azure App service
3. Azure Virtual Machine

4.1.1.1 Container Services

1. Select the specific radio button for migration option and click **Next** as shown in Figure 69: Migration Option.

**NOTE:** As per the Assessment report generated earlier, we **recommended** container services the best Azure service to migrate your application.
Container Service Migration Option

1. Select the specific radio button for Container Service Migration Option.

2. Select **Azure Container Service** radio button and Orchestrator type dropdown list to be **Kubernetes** (recommended).

3. Click **Next** as shown in **Figure 70: Container Service Migration - Azure Container**.

**NOTE:** For your information:

1. DC/OS and Swarm applicable only to Linux whereas Kubernetes is applicable for both Windows and Linux.
2. Dot Net core or any other Linux based application is applicable for Azure Kubernetes Service (recommended).
You will be redirected to the Migration Ready Application Binary window, where the project name, application platform and other details need to be confirmed as shown in Figure 71: Migration Ready Application – Compiled Code.

**NOTE:** Select **Browse** to change Compile Code Location, if required as shown in Figure 71: Migration Ready Application – Compiled Code
Login Details with Client ID and Secret

1. Enter Service Principle Id and Secret having a contributor or higher role as shown in Figure 72: Enter Client id and Secret.

NOTE: If you don’t have a Service Principle id and Secrets, click on Click here button or Download PowerShell Script to generate Client ID and Secret as shown in Figure 72: Enter Client id and Secret.

Login Details with Active Directory

You can also sign in with your Active Directory and you will redirect to Figure 73: Azure Subscription- In progress.

Figure 72: Enter Client id and Secret

Azure Subscription

A window displays with “Azure Subscription in progress.” As shown in Figure 73: Azure Subscription- In progress
1. Enter your credentials to login to your Microsoft Azure account as shown in Figure 74: Microsoft Azure - Log in Page.

**NOTE:** If you don’t have a Microsoft account then you need to create one.
2. Log in with your credentials and click **Sign In** as shown in **Figure 75: Microsoft Azure Log In Details**.

![Figure 75: Microsoft Azure Log In Details](image)

3. Select the Azure Subscription as per your account as shown in **Figure 76: Azure Subscriptions**.

**NOTE**: If you don't have any subscription try with another account.

![Figure 76: Azure Subscriptions](image)
4. Select the Visual Studio Enterprise - MPN as per the dropdown list as shown in Figure 77: Azure Subscription List.

Figure 77: Azure Subscription List

5. Select the Visual Studio Enterprise – MPN and click Next as shown in Figure 78: Select Azure Subscription.

Figure 78: Select Azure Subscription
Container Registry Options

1. Select the specific radio button for Container Repository Options as shown in Figure 79: Container Registry Options.

   **NOTE:** If you have an existing Docker hub account, you can choose Docker hub option.

Azure Container Registry – New Account

1. For New account of Azure Container Registry, select the New radio button and click Next as shown in Figure 79: Container Registry Options.

![Figure 79: Container Registry Options](image)

Azure Container Service Deployment

1. Enter the Application Name as shown in Figure 80: Azure Container Service Deployment Details.
2. Select the Resource Group from the dropdown list as shown in Figure 81: Resource Group List.

**NOTE:** Resource group are created as per your Azure subscription plans.
3. Enter the Registry name and select the Location from the dropdown list as shown in Figure 82: Location List.

![Figure 82: Location List](image)

4. Select enable (by Default) to enable the Admin User and select SKU from the dropdown list as shown in Figure 83: Azure Container Service Details Added.

![Figure 83: Azure Container Service Details Added](image)
5. Once complete, click **Proceed**. “Creation of New Azure Container Registry” is in progress as shown in **Figure 84: New Azure Container Registry - In Progress**.

![Figure 84: New Azure Container Registry - In Progress](image)

6. Once complete you will get a dialog box with a message “Your container registry added successfully”, click **OK** as shown in **Figure 85: Container Registry Created**.

![Figure 85: Container Registry Created](image)
Details for Azure Container Service - New Environment

1. Enter the details for Azure Container Service as shown in Figure 86: Azure Container Service Detail – New Environment.

2. Select the Location details as per your container service location as shown in Figure 87: Location List.
3. Enter Master Name, Agent DNS Name and click **Ssh public key** button to generate the Ssh public key as shown in Figure 88: DNS Name In progress.

![Figure 88: DNS Name In progress](image)

**NOTE:** The key generated is automatically pasted on SSH public key text box as shown in Figure 89: Select Master Count.

![Figure 89: Select Master Count](image)
4. Select Master count from the dropdown list as shown in **Figure 90: Master Count List**.

![Figure 90: Master Count List](image)

5. Once the details are added, click **Next** as shown in **Figure 91: Master Count Added**.

![Figure 91: Master Count Added](image)
6. Enter the details for the Client ID as shown in Figure 92: Client Details.

**NOTE:** For your information, agent count should be in between 1 to 100 only.

![Figure 92: Client Details](image)

7. Click **Generate Clientid/secret** button to generate the Service principal client ID and client secret key text boxes as shown in Figure 93: Clientid/secret in Progress.

**NOTE:** The key generated is automatically pasted in the Service principal client ID and client secret text boxes.
8. Enter the Agent’s Admin Username and Password as shown in Figure 94: Azure Container Service Agent Details – Added.

9. Once complete, click **Start Migration**.

The deployment of the application to Azure is in progress as shown in Figure 95: Deployment in Progress.
4.2 **APPLICATION DEPLOYED TO AZURE**

Once deployed “Application successfully deployed in Azure container service” message appears on the screen as shown in **Figure 96: Application Deployed**.

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**Figure 95: Deployment in Progress**

**Figure 96: Application Deployed**
4.3 POST MIGRATION REPORT

1. Click Post Migration Report to know about the migration report of the deployed application on Docker Container as shown in Figure 97: Post Migration Report.

You will be redirected to Post application migration report as shown in Figure 98: Application Migration Report. The Post application migration report consist of the application details, deployment details with the total time duration of application deployment and also provide additional security recommendations.
4.4  **MONITOR APPLICATION USING CLOUDSUPERVISOR**

1. For detail reports on migration, click Monitor Application with CloudSupervisor® as shown in **Figure 99: Monitor Application with CloudSupervisor**.

![Figure 99: Monitor Application with CloudSupervisor](image)

**NOTE:** For more details on monitoring of the application, we recommend that you should buy CloudSupervisor® tool. To know more click [https://www.cloudatlasinc.com/cloudsupervisor/](https://www.cloudatlasinc.com/cloudsupervisor/)
To close the migration window, click **Close** as shown in **Figure 97: Post Migration Report** above.

You will be redirected to the CloudPilot tool window with the migration status **completed** as shown in **Figure 101: CloudPilot Tool Window - Migration Completed**.
5. Contact

5.1 SUPPORT

1. For any problems or clarifications, click Support on the top right side of CloudPilot Dashboard dropdown list as shown in Figure 102: Support.

![Figure 102: Support](image)

A CloudPilot Support window appears as shown in Figure 103: CloudPilot Support.

![Figure 103: CloudPilot Support](image)

2. Enter the value for **Subject**.
3. Select the **Problem Type**.
4. Type your message in the **Message box**.
5. Click **Submit** when complete.

**NOTE**: A system-generated mail will be sent to your registered Email - Id with the tracking number of your support ticket.
5.2 FEEDBACK

1. For any feedback, click Feedback on the top right side of CloudPilot Dashboard dropdown list as shown in Figure 104: Feedback.

![Figure 104: Feedback](image_url)

A CloudPilot Feedback window appears as shown in Figure 105: CloudPilot Feedback.

![Figure 105: CloudPilot Feedback](image_url)

2. Enter your valid Email ID.
3. Enter the value for Subject.
4. Type your message in the Feedback box.
5. Click Submit when complete.

**NOTE:** A system-generated mail will be sent to your registered Email - Id with the tracking number of your support ticket.