UnifyCloud

CloudAtlas - App and DB Modernization

Following are the list of tools/software that need to be installed or available on machines where source code is available to run the CloudAtlas Assessment.

Please find the requirement details:

System Specification:

Total Desktop/VM	: 1
CPU Cores	: 2
RAM	: 8 GB
Operating System	: Windows 8.1 & above
Available Disk Space	: 500 GB
Port	: 1433 SQL Server ports should be open
Network Connectivity	: Accessibility of All Database servers.
SQL Server Permission	: SQL Server User with sysadmin privileges
MySql Port	:3306 Server ports should be open
Postgrsql Port	:5432 Server ports should be open
MariaDB	:3306 Server ports should be open
Oracle	:1521 Server ports should be open/with Sysdba privilage

NOTE: Access to Source Code and Databases. Access to Azure Portal should be there during migration phase.

Details:

Tools	**Port to be opened**
Biecep	80,443,
PowerShell	5985,5986
Azure Data Studio/DBStudio/SSMA	1433 ,1521,5432, 3306
Azure CLI	80 ,443
Azure Portal	443

Software Requirement:

1. Azure Data Studio/DBStudio/SSMA
   https://go.microsoft.com/fwlink/?linkid=2324624
2. Microsoft .NET Framework version 4.7.2.
3. Azure CLI (Version – 2.13.0)
   https://docs.microsoft.com/en-us/cli/azure/install-azure-cli
4. Windows PowerShell
   https://docs.microsoft.com/en-us/powershell/scripting/windows-powershell/install/installing-windows-powershell?view=powershell-7
5. SQL Server Management Studio for Database Connectivity
   https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15
6. CloudAtlas Client Tool/DBStudio

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Data Collection Process

Simple, light-weight code and database scanner is used which downloads to Windows 8+ under customer's control

For scanning apps CloudPilot Scanner needs Application Source Code, for static code Analysis for your **Custom Build or In-house Applications**

For Scanning Databases CloudPilot Scanner need access to Database Schema

Scans .**Net, Java, PHP and Python** apps plus **SQL, MySQL and PostgreSQL**

CloudPilot Analysis

- Will determine readiness of apps for AppService, Containers, or IaaS and the level of remediation effort
- Will determine readiness of databases for Azure SQL Database, Managed Instances, PostgreSQL or IaaS and the level of remediation effort
- Remediation details down to the line of code and schema levels
- Determines app and database portfolio run-rate costs
- Identifies app and database Quick Wins

Migration Business Cases

Application Modernization
- App Service
- Containers
- Azure Functions

.Net App Modernization
- .Net Core
- Containerization (Linux and Windows)

SQL Databases
- Azure SQL Databases
- Azure SQL Managed Instances
- Azure SQL VM

Oracle Databases
- PostgreSQL
- SQL

MySQL Databases
- MySQL DB (PaaS)

PostgreSQL Databases
- PostgreSQL DB (PaaS)

Key Benefits

- Faster and less costly than doing a manual assessment requiring expensive and limited outside experts.
- Quicker set up that can produce detailed technical recommendations for decision makers in minutes.
- Immediately provides the ability to drill down to the individual VM, Server, Client, Workload and Application levels to determine what Cloud options work best.