

## Tier Details



**Development Environment** → Non-production single box instance that developer use for development, testing.

**Standard Acceptance Test** → Non-production multi-box instance that customers can use for UAT, integration testing, and training

**Premier Acceptance Test** → Multi-box instance for large user acceptance testing, Integration testing, training

**Standard Performance Test** → Multi-box environment for performance testing, load testing

**Premier Performance Test** → Multi-box environment for performance testing, load testing, Pre-PROD instance for heavy user load testing

# Environment Planning

<b>Standard Environment</b>	<ul style="list-style-type: none"><li>• Included in the standard offer and is managed by Microsoft in a Microsoft subscription</li><li>• Includes the production environment and Tier-2 Standard Acceptance Test environment</li></ul>
<b>Add-On Environment</b>	<ul style="list-style-type: none"><li>• Additional environment managed by Microsoft</li><li>• Customer must purchase in addition to the standard offer</li><li>• An add-on environment might be an additional Tier-4 environment for performance testing</li></ul>
<b>Cloud Hosted Environment</b>	<ul style="list-style-type: none"><li>• Additional environments that are managed by the customer or partner in a customer or partner Microsoft Azure subscription</li><li>• A cloud-hosted environment can include a Tier-1 dev environment.</li></ul>

# Standard Cloud Offer

## Tier2 Environment: Standard Acceptance Testing

- One Standard Acceptance Testing (UAT) instance is provided for the duration of the subscription
- Non-production multi-box instance
- Can use for UAT, integration testing, and training
- Additional sandbox/staging instances can be purchased separately as an optional add-on.

## Production Environment

- One production instance is provided per tenant.
- **File Storage:** Receives a certain amount of file/Azure blob cloud storage for files.
- **Database Storage:** Every subscription includes a certain amount of Azure SQL Database storage per customer at no additional charge.

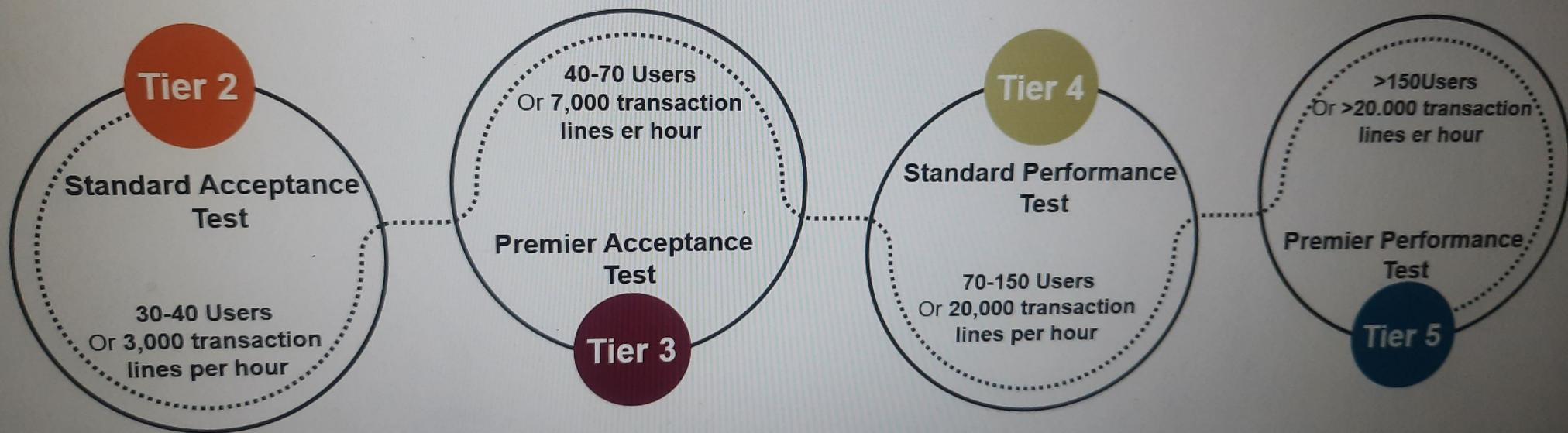
# Tier - 1 Vs Tier - 2 or Higher

<b>Tier -1</b>	<b>Tier - 2 Or Higher</b>
Single-box environment	Multi-box environment
All components are installed on the same server. These components include Application Object Server (AOS), the database, Dynamics 365 Commerce, and Management Reporter.	Components are installed on <i>multiple servers</i> .
Microsoft SQL Server is used.  The environment can be cloud-hosted, or it can be deployed as an environment image (VHD).	Azure SQL Database is used.  The environment can be deployed <i>only as a standard environment or an add-on environment</i> . It can't be cloud-hosted.
The environment isn't suitable for UAT or performance testing.	The environment is suitable for UAT and performance testing.

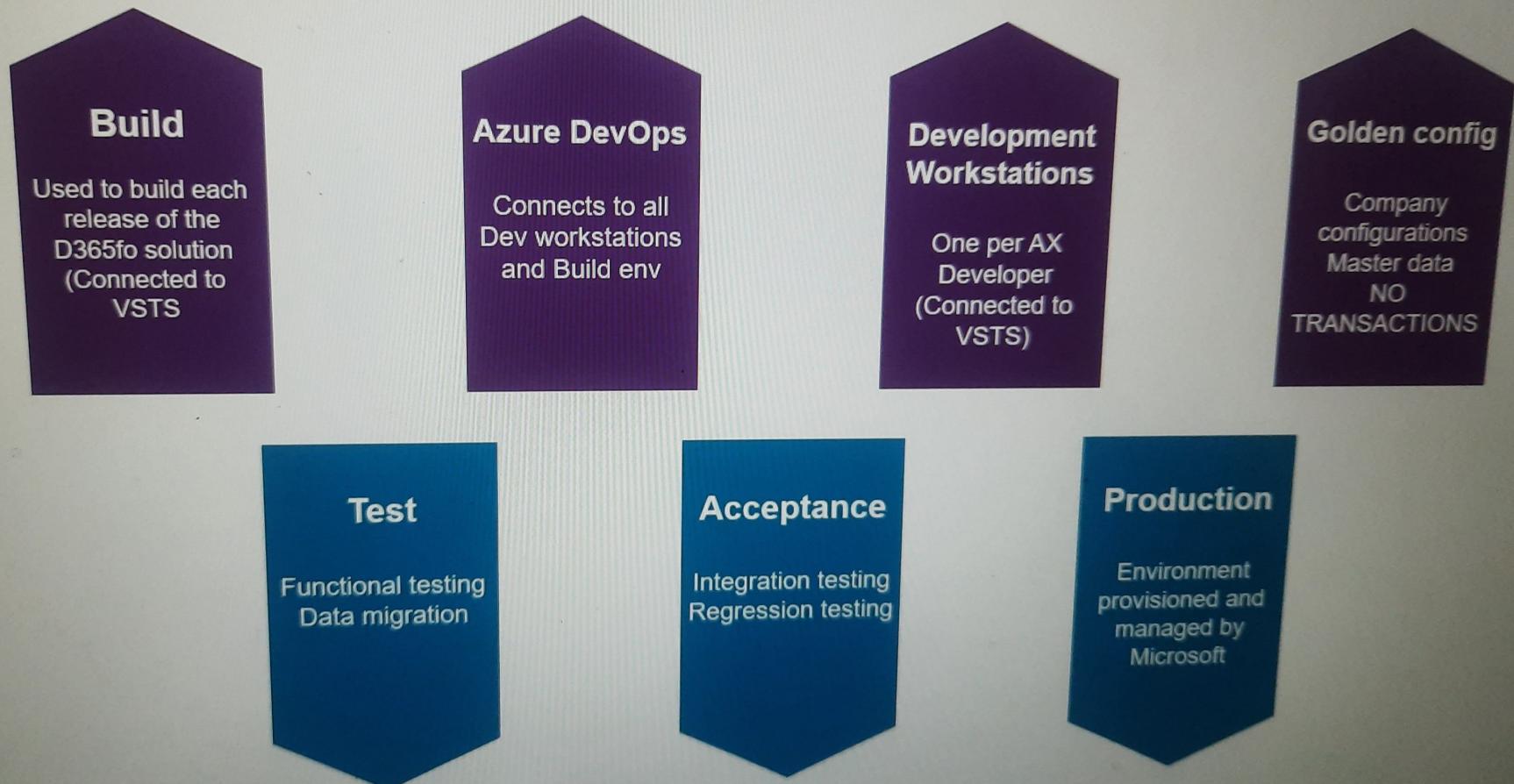
# Additional Environment

Environment purpose	Tier	Standard project	Medium complexity project	Complex project
Build	1	X	X	X
Test (e.g. system integration testing or UAT)	2	X	X	X
Production	Based on the <b>sizing</b>	X	X	X
Development	1	X	X	X
Golden configuration	1 or 2		X	X
Pre-production / data migration	2		X	X
Performance testing	4 or 5			X
Training	2 or 3			X
System integration testing	2 or 3			X
Other / ad-hoc	...			

## Select Tier – 2 Environment Options



# Project Environments



# Azure DevOps Branching

- Branching allows development in D365 F&O to occur concurrently on more than one version of the code base
- Branching facilitates the development of bug fixes, the addition of new capabilities
- Branching is used in version control and software management to maintain stability while isolated changes are made to code
- It provides collaboration and consistent code sharing, publishing, and review features

