PRE-BUILD REQUIREMENTS
AWS Workspaces Assessment and Optimization

2025

SAMANA GROUP

Table of Contents

1. Overview

This document provides an overview of the prerequisites for assessing and optimizing the current CUSTOMER's AWS Workspaces environment. It is important to address this set of prerequisites and considerations before the start of the deployment phase to prevent unnecessary delays and costs.

Please note the following assumptions:
- The environment is already deployed.
  - o CUSTOMER will be responsible for configuring the AWS landing zone, including all network and security settings.
  - o It is recommended that as many components as possible that will be accessed from the AppStream Instances, NCL applications, user data, and domain services be co-located in AWS close to the instances to minimize latency.
- Additional deployment requirements may be identified as the deployment progresses.

A checklist of the required prerequisites is provided in the following sections.

2. Environment Prerequisites

The Environment Prerequisites section provides an overview of the items the CUSTOMER must complete before the deployment phase.

The table below outlines the access components required to assess and optimize the AWS WorkSpaces environment at CUSTOMER. The table below outlines the **minimum requirements** for this deployment:

Prerequisites	Description	Complete
Active Directory	Permissions to a group fo "Samana" on the OU where the Workspaces Instances are created. • Create and Delete machine Objects. • Add/Remove and Edit GPOs	
AWS User (IAM Roles)	Samana AWS users with specific IAM Roles for Workspaces. • workspaces_DefaultRole This IAM role is created automatically during the workspace deployment. For more information:	

https://docs.aws.amazon.com/workspaces/latest/adminguide/workspaces-access-control.html

Create or use a created policy to assign permissions to the Samana users.

The Policy must contain the following actions:

- AssociateConnectionAlias
- AssociateIpGroups
- AssociateWorkspaceApplication
- AuthorizeIpRules
- CopyWorkspaceImage
- CreateConnectClientAddIn
- CreateConnectionAlias
- CreateIpGroup
- CreateStandbyWorkspaces
- CreateTags
- CreateUpdatedWorkspaceImage
- CreateWorkspaceBundle
- CreateWorkspaceImage
- CreateWorkspaces
- DeleteClientBranding
- DeleteConnectClientAddIn
- DeleteConnectionAlias
- DeleteIpGroup
- DeleteTags
- DeleteWorkspaceBundle
- DeleteWorkspaceImage
- DeployWorkspaceApplications
- DeregisterWorkspaceDirectory
- DescribeAccount
- DescribeAccountModifications
- DescribeApplicationAssociations
- DescribeApplications
- DescribeBundleAssociations
- DescribeClientBranding
- DescribeClientProperties
- DescribeConnectClientAddIns
- DescribeConnectionAliasPermissions
- DescribeConnectionAliases
- DescribeImageAssociations
- DescribeIpGroups
- DescribeTags
- DescribeWorkspaceAssociations
- DescribeWorkspaceBundles
- DescribeWorkspaceDirectories
- DescribeWorkspaceImagePermissions
- DescribeWorkspaceImages
- DescribeWorkspaceSnapshots
- DescribeWorkspaces
- DescribeWorkspacesConnectionStatus
- DisassociateConnectionAlias
- DisassociateIpGroups
- DisassociateWorkspaceApplication
- ImportClientBranding
- ImportWorkspaceImage

	- ListAvailableManagementCidrRanges - MigrateWorkspace - ModifyAccount - ModifyCertificateBasedAuthProperties - ModifyClientProperties - ModifySamlProperties - ModifySelfservicePermissions - ModifyWorkspaceAccessProperties - ModifyWorkspaceCreationProperties - ModifyWorkspaceProperties - ModifyWorkspaceState - RebootWorkspaces - RebuildWorkspaces - RegisterWorkspaceDirectory - RestoreWorkspace - RevokeIpRules - StartWorkspaces - StopWorkspaces - Stream - TerminateWorkspaces - UpdateConnectClientAddIn - UpdateConnectionAliasPermission - UpdateRulesOfIpGroup - UpdateWorkspaceBundle - UpdateWorkspaceImagePermission For more information: https://docs.aws.amazon.com/service-authorization/latest/reference/list_amazonworkspaces.html#amazonworkspaces-resources-for-iam-policies	
Workspaces Access	Access to Workspaces Desktops using the AD credentials from "Samana Group" active directory group	
AWS Thin Client	Able to use an AWS Thin Client	Yes

3. Assumptions

These deployment requirements are focused on AWS Workspaces infrastructure, and any third-party components may have additional considerations not included in this document. CUSTOMER and Samana must ensure that any requirements from any additional third-party components that will be part of the solution are also met.

The users provided to Samana for the POC must have permission to configure the Images and full access to bundles, directories, and workspace configs.