Quick Start Guide

Trial Readiness

Use the information in this guide to verify that your environment meets the requirements to begin a trial of Vantage DX.

Provide Details about your Environment

Provide the following information to Martello:

- Do you have specific Conditional Access Policies (CAP)?
- Do you use Azure AD Premium to provide AD Identity Protection?
- Do you use SSL packet inspection?

Grant Permissions to the VDX Application

The Vantage DX application requires tenant-wide admin consent in the Azure portal. Click the following URL and click **Accept** to grant consent when prompted:

https://login.microsoftonline.com/common/adminconsent?client_id=0d75f118-91b7-4a02-8c52-25d8a1590a7c

Trial Readiness

Create Accounts

The following table lists the Microsoft 365 accounts that are required to get started with Vantage DX.

Module	Requirements
Vantage DX Analytics Integrations	
Microsoft Call Quality Dashboard (CQD)	Set up the Microsoft CQD and configure a Microsoft 365 account that VDX Analytics can use to access the CQD. Ensure that the account meets the following requirements: - The account is configured in Azure Active Directory (AD). - The account is cloud-native. - The authentication method meets one of the following conditions: - Native Azure multi-factor authentication (MFA) used in a passive authentication flow. - MFA is disabled if using another type of authentication. - The account is not federated. - At a minimum, the account must be assigned a Teams Communication Support Engineer role or a Global Reader role. The account must have permission to access end user identifiable information (EUII). Refer to the information on the following Microsoft website to see the roles that can access EUII: https://docs.microsoft.com/en-us/microsoftteams/turning-on-and-using-call-quality-dashboard#assign-roles-for-accessing-cqd We recommend that you do not use a Teams Administrator role for this purpose.
Vantage DX Monitoring	
Robot Manager	A minimum of two user accounts that are dedicated to monitoring; these accounts can be used by up to five robots. Ensure that the accounts meet the following requirements: - All accounts must have a valid Office 365 E3 or E5 license. - Multi-factor authentication is disabled. - Password expiry is not configured. These accounts are used to monitor the Teams and Teams Advanced workloads. For other workloads, see the Advanced Accounts section in the *Vantage DX Deployment Guide*.

Trial Readiness

Enable Network Connections

The following table lists the connectivity requirements for theVantage DX modules.

| Protocol and Port	Source IP	Endpoint / Destination	Description
HTTPS			
443	Probe (machine where installed)	<instancename>.vantage-dx.com/npv-ui	Probe connection to Vantage DX.
443	Robot Manager (machine where installed)	<instancename>.vantage-dx.com	Robot connection to Vantage DX
ICMP			
Type 0	Any	Probe (machine where installed)	Echo reply
Type 11	Any	Probe (machine where installed)	TTL exceeded
Type 8	Probe (machine where installed)	Any	Echo request
TCP			
443	Robot Manager (machine where installed)	One of the following: • **Western European region:** eager-swan.rmq.cloudamqp.com • **Eastern United States region:** sharp-fuchsia-mongoose.rmq4.cloudamqp.com • **Australia:** active-olive-lemming.rmq4.cloudamqp.com	Robot connection to Vantage DX

Trial Readiness

Protocol and Port	Source IP	Endpoint / Destination	Description
443	Robot Manager (machine where installed)	All required Microsoft Office 365 URLs and IP addresses. For more information, see the following website: https://docs.microsoft.com/en-us/microsoft-365/enterprise/urls-and-ip-address-ranges?view=o365-worldwide	Robot connection to Microsoft workloads
AMPQS			
5671 (Installations prior to June 2023)	Robot Manager (machine where installed)	One of the following: • **Western European region:** eager-swan.rmq.cloudamqp.com • **Eastern United States region:** sharp-fuchsia-mongoose.rmq4.cloudamqp.com • **Australia:** active-olive-lemming.rmq4.cloudamqp.com	Robot connection to Vantage DX

Connection Overview

The following diagram provides an overview of the network requirements for Vantage DX.

Trial Readiness
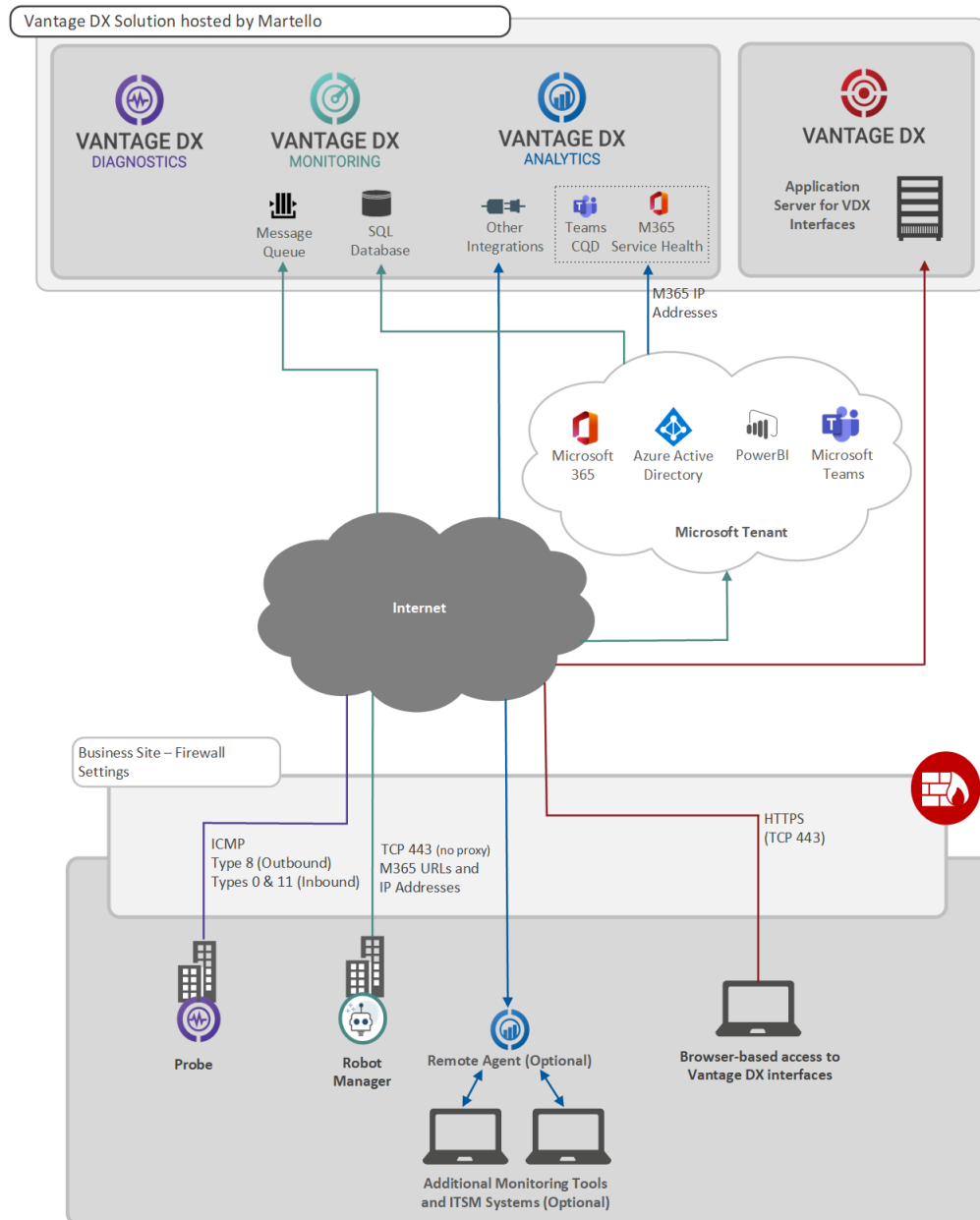
Machine Requirements

The following table lists the requirements for the machines where you install a Vantage DX Diagnostics probe or the Vantage DX Monitoring Robot Manager.

Trial Readiness

Module	Requirements
Vantage DX Monitoring Robot Manager	• Windows 10 or higher (64-bit) operating system • Power settings: always on • The machine should be dedicated for use with Vantage DX and not in use for other purposes.
Vantage DX Diagnostics Probe	For business sites, we recommend that you install a probe on every machine where you install a Robot Manager. For remote users, install a probe on a machine with the following: • Windows 10 or higher (64-bit) operating system

Verify Requirements

We recommend that you perform the tests listed in the following table to ensure that you have met the minimum system requirements.

Module	Description
Vantage DX Analytics	
Microsoft Call Quality Dashboard (CQD)	Use the Vantage DX Validation Tool to verify that the account for the integration with the Microsoft CQD meets the requirements: https://vdxvalidation.vantage-dx.com/ The Validation Tool also verifies that the Vantage DX application has the permissions it needs to integrate with your Microsoft tenant.
Vantage DX Diagnostics	

Trial Readiness

Module	Description
Probe connectivity	Run the following tests in PowerShell to ensure connectivity before you install and configure the probes: • Test-NetConnection -computername <company_name>.vantage-dx.com -port 443 • tracert world.tr.teams.microsoft.com • ping <endpoint FQDN> to verify that any custom endpoints are accessible
Vantage DX Monitoring	
Robot Manager	Run one of the following tests, depending on your location: **Western European region:** Invoke-WebRequest https://eager-swan.rmq.cloudamqp.com/ -UseBasicParsing **Eastern United States region:** Invoke-WebRequest https://sharp-fuchsia-mongoose.rmq4.cloudamqp.com/ -UseBasicParsing **Australia:** Invoke-WebRequest https://active-olive-lemming.rmq4.cloudamqp.com/ -UseBasicParsing