

## Amazon Web Services overview

Blue Prism utilizes Amazon Web Services (AWS) for providing the underlying infrastructure for Blue Prism® Cloud 2022.1. For the responsibility matrix for the platform, see the [Connectivity and access data sheet](#).

AWS offers an extensive global cloud infrastructure that enables Blue Prism Cloud to deliver Robotic Process Automation (RPA) services to our client base on a global scale, using the advantages of the localized AWS Region infrastructure.

Blue Prism Cloud is delivered as a Platform-as-a-Service (PaaS) from an AWS Region and is designed to automate and digitize the execution of knowledge work performed by human workers.

The service is provided using a number of Virtual Machines (VMs). These are configured to support the different Blue Prism Cloud components and are configured into different subnets to provide security segregation zones. Network Security Groups (NSGs) are established to ensure only acceptable traffic flows between the subnets and the Virtual Private Network (VPN) connection to the client site.

When Blue Prism deploy a new service to a client, a new account from AWS is used to provide the high-level segregation. AWS account segregation ensures that no client can see another client's environments.

The AWS account is normally established in the AWS Region which is closest to the client office. For geographical location information on AWS Regions where Blue Prism can deploy to, including the locations of US Government approved regions, see [AWS Global Infrastructure](#).

The minimum configuration of a client account is eleven virtual machines. This is made up as follows:

- 1 x Management Server
- 2 x Web Server, supporting Hub and Interact
- 2 x Blue Prism Application Server
- 5 x Production Digital Workers
- 1 x Development Digital Worker

The databases to support Blue Prism Cloud are not configured on a VM but are delivered using AWS RDS services. This ensures that the databases are in continual operational status irrespective of a component level failure as the underlying technology supports replication. Disaster recovery services ensure that a point in time recovery can be performed to allow a controlled rollback to anywhere within the last seven days. Because of the level of resiliency built into the platform Blue Prism Cloud offer as standard a 99.9% service level agreement for availability.

Blue Prism also utilize Microsoft Cognitive Services to deliver their IADA.ai service.

The VMs are built with the following configuration:

	Digital Worker VMs	All other VMs
Virtual CPU cores	2	4
RAM	8 GB	16 GB
Storage	128 GB	128 GB
Operating system	Microsoft Windows Server 2019	Microsoft Windows Server 2019

Blue Prism monitor the VMs and ensure that they are running efficiently, where issues are identified they are investigated and action undertaken to rectify.