Windows Virtual Desktop (WVD) Minimum Viable Product (MVP) Requirements Definition

For



**PURPOSE:** The Minimum Viable Product (MVP) Requirements Definition enables a collaborative dialogue between a customer and Microsoft to ensure a common understanding of the Contoso’s requirements for [Windows Virtual Desktop](https://aka.ms/wvd) technology. These requirements are designed to effectively present and demonstrate the Windows Virtual Desktop technology so that it meets the customers minimum requirements.

Success criteria metrics are identified to help customers select a solution that meets their current and future requirements.

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## **Who is Contoso?**

The Contoso Corporation is a global business with headquarters in Paris, France. It is a conglomerate manufacturing, sales, and support organization with over 100,000 products.

## **Business Requirements**

New technology solutions must address specific business objectives and initiatives in order to be worthy of enterprise-wide adoption. IT priorities and initiatives are linked to these business objectives and funding is allocated to those initiatives with the most promising business value.

## Current IT priorities and initiatives

### Corporate Snapshot

Please provide data for the following about your entire organization

|  |  |
| --- | --- |
| * How many employees? | * How many Data Centers? |
| * How many Corporate Offices? | * How Many Branch offices? |
| * Do you have mobility devices (ipad, Surface)? | * How Many Desktops? |
| * What is you standard Windows Client OS? | * What is your standard Windows server OS? |
| * How many Applications are delivered? | * Do you support International employees? |
| * Do you have Work from Home employees (WfH)? | * Do you use Teams, Skype, Jabber? |

### IT Priorities

What are the main IT priorities and initiatives that are consuming time, resource, and budget?

* ***Enter IT Priority #1***
  + *Example: Reduce our on-premises infrastructure costs while increasing user load capacity.*
* ***Enter IT Priority #2***
  + *Example: Simplify end user experience for remote computing*
* ***Enter IT Priority #3***
  + *Examples: Enable elastic workspace solutions for computing in Azure*

### Proposed Project

* Describe the proposed project (business problem, urgency, scope, etc.) –
* What is the alternative to implementing a new solution?
  + *Example: Renew on-premises hardware agreement for existing solutions*
* Why do something different now? Is there an existing solution in use today that warrants a business need to view WVD?
  + *Example: We have a legacy end user compute solution that we have decided not to renew due to cost reasons.*
  + *Example: Our on-premises end user compute solution does not allow us to burst without the need for additional CapEx*

**Use case scenario:**

* Describe what the end user use case is for this solution?
  + Developers
    - *Example: Compile and test code for our ERP system*
  + Remote workers
    - Example: Contract remote from home users that provide customer support
  + Task workers i.e. Call Center
    - Example: Centralized from home users that provide customer support
  + Office Workers
    - Example: Day to day office users accessing corporate apps i.e. Marketing, HR, Finance
  + Power Users
    - Example: IT Support personnel support corporate/contractor employees
  + Graphic Designers
    - Example: Oil and Gas engineers, building architects, multimedia animators,

### Sponsorship

* Who is the identified executive sponsor?
  + Example: Business development sponsor for strategic applications
* Is the project funded?
  + Example: Finance approved project from business stakeholders
* What is the project timeline?
  + Example: Project needs to be validated and deployed by end of FY21 due to hardware contract expiration

## **Solution Requirements for MVP**

### Project Success Criteria

What must be demonstrated to consider the MVP a success? These will be tracked throughout the scope of the engagement.

|  |  |
| --- | --- |
| **Technical Objectives** | |
| **Success Item** | **Objective Description** |
| TO1. | **EXAMPLE** #1  PaaS enabled end user desktops and applications delivered via Azure |
| TO2. | **EXAMPLE** #2  Equal or better experience than existing solution |
| TO3. | **EXAMPLE** #3  Integration with Azure Active Directory and existing on-premises Active Directory |
| TO4. | **EXAMPLE** #4  Reduced management and operational costs over existing solution |

### End User Success Criteria

What must be demonstrated from end users of this solution for success? These will be tracked throughout the scope of the engagement.

|  |  |  |
| --- | --- | --- |
| **Type of Work** | |  |
| **Success Item** | **Description** | **Answers** |
| S1. | * How many users can be leveraged as part of UAT (User Accessibility Testing) in order to successfully test this solution? |  |
| S2. | * What is Total Estimated number of Simultaneous Users at peak? |  |
| S3. | * Where are the UAT member located? LAN? WAN? Remote? |  |
| S4. | * How many hours per day and days per week will the UAT members be mandated to work in the proposed solution? |  |
| S5. | * How will end issue and success be delivered back to teams involved? |  |
| S6. | * User Device Type   + Window PC, Mac, Thin Client |  |
| S7. | * Monitors * What is a successful end user monitor configuration look like? 2 monitors? U-shape? Are there any 4k monitors in use today. |  |
|  |  |  |

### Application criteria

What applications must be demonstrated from end users of this solution for success? These will be tracked throughout the scope of the engagement.

|  |  |  |
| --- | --- | --- |
| **Application Types** | |  |
| **Application Types** | **Description** | **Answers** |
| A1. | * Number of Applications **–** Which applications are critical to the MVP? * **Note: The scope of the MVP should limit the number of applications tested to no more than 5.** |  |
| A2. | * Are the applications that are in the top candidates above installed in the master image or streamed via App-V or other application layering technologies? |  |
| A3. | * Are there applications with database related connectivity? |  |
| A4. | * Where do the databases for the applications reside? If on-premise is there a Azure Express Route in place to connect to the data? |  |
| A5. | * Are any of the applications hosted IO intense where SSD is required? |  |
| A6. | * Do these applications have data that is also in the Azure? |  |
| A7. | * Is the data for these applications located in the same Azure Regions? |  |

### The 8 Ps for End User Computing

There are many different points of success that will help quantify the end user requirements which are key to a successful MVP. I refer to them as the **8 Ps** for end user computing.

|  |  |  |
| --- | --- | --- |
| **Application Types** | |  |
| **P**  **Types** | **Description** | **Answers** |
| P1. | * **Policies**   + What end user policies are applied today? i.e H264, B2L, Drive Mapping, Clipboard etc |  |
| P2. | * **Peripherals** * What devices are expected to be plugged into the endpoint and remoted? i.e. USB, Parallel, Serial, printers, Smart Cards, |  |
| P3. | * **Printing**   + How is printing handled today? Print servers, GPs. Proximity   + Are there any 3rd party printing ISVs like ThinPrint, Tricerat leveraged? |  |
| P4. | * **Personalization**    + FSLogix inclusion     - How and where do users store profile today?     - Are profiles geo replicated?     - What’s the average size of a user’s profile?     - Is there a storage solution designed in Azure for personalization? |  |
| P5. | * **Pooling**   + Host pool type: Persistent/non-persistent? |  |
| P6. | * **Performance**   + What is the expected compute type for each end user?     - 2 core, 4gb RAM, GPU, etc     - What is an acceptable amount of end user latency? |  |
| P7. | * **Power management**    + What are the expected machine power schedules for users today?     - * 8x5       * 24x7 |  |
| P8. | * **Protocol Type**   + Does the end user have requirements where a certain endpoint protocol type must be delivered such i.e. HTML5, full rich client TCP, UDP. |  |