

# Best Practices Guide

On-Premise Deployment



## Technical Specs

<b>Supported Platforms</b>	<ul style="list-style-type: none"> <li>● Microsoft Windows 7, 8 and 10 (32-bit and 64-bit)</li> <li>● Microsoft Windows Server 2008, 2012, 2016 and 2019</li> <li>● Linux Os</li> <li>● Mac Os</li> </ul>
<b>Sessions</b>	<ul style="list-style-type: none"> <li>· Stand-alone workstation / server</li> <li>· Terminal server (RDS)</li> </ul>
<b>Load</b>	Approximately 50 MB – 100 MB memory and 1-5% CPU utilization, depending on user activity and screens.
<b>Visibility Mode</b>	Stealth or Visible
<b>Deployment</b>	<ul style="list-style-type: none"> <li>· Silent MSI Installer</li> <li>· Deployment via Group Policy</li> </ul>
<b>Bandwidth</b>	Approximately 30 kbps upstream depending on users activity and screens.
<b>Offline Storage</b>	Empmonitor also records activities offline and saves all data locally. This helps in case of network breakdown to upload the data of activities done during network breakdown period to the server.

## Primary Server Requirements

Deployments for concurrent users under 1000, in most cases, be hosted on one all-inclusive server. As per the below-mentioned table, the CPU and the system memory should be provided based on the expected number of concurrent monitoring sessions:

RAM/CPU Requirements	Users	Server Requirements
<ul style="list-style-type: none"> <li>● RAM: 24 GB</li> <li>● CPU: 16 cores</li> </ul>	Up to 1,000	1 EmpMonitor App Server (VM)
<ul style="list-style-type: none"> <li>● RAM: 16 GB</li> <li>● CPU: 8 cores</li> </ul>	Up to 500	1 EmpMonitor App Server (VM)
<ul style="list-style-type: none"> <li>● RAM: 6 GB</li> <li>● CPU: 4 cores</li> </ul>	Up to 100	1 EmpMonitor App Server (VM)

<ul style="list-style-type: none"> <li>● RAM: 24 GB</li> <li>● CPU: 16 cores</li> </ul>	Higher Deployments: 1,000 users or more	1 EmpMonitor App Server (VM) per 1,000 users
<ul style="list-style-type: none"> <li>● RAM: 32 GB</li> <li>● CPU: 16 cores</li> </ul>		1 EmpMonitor Database Server (VM)

## OCR Server Requirements

CPU/RAM Requirements	No of Users	Server Requirements
<ul style="list-style-type: none"> <li>● CPU: 4 cores</li> <li>● RAM: 8 GB</li> <li>● Disk: 100 GB</li> </ul>	Larger Deployment 200+ users	1 OCR Database Node
<ul style="list-style-type: none"> <li>● CPU: 16 cores</li> <li>● RAM: 16 GB</li> <li>● Disk: 24 GB</li> </ul>		1 OCR Mining Node per 200 users

<ul style="list-style-type: none"> <li>● CPU: 4 cores</li> <li>● RAM: 8 GB</li> <li>● Disk: 100 GB</li> </ul>	Less than 200 users	1 OCR Database Node
<ul style="list-style-type: none"> <li>● CPU: 16 cores</li> <li>● RAM: 16 GB</li> <li>● Disk: 24 GB</li> </ul>		1 OCR Mining Node

**Tooltip** - Adjust your storage requirements when you add or remove recorded data over time.

Check out the section below to gain complete insights of the storage requirements.

## Storage Requirements

Primary Storage	The virtual appliance EmpMonitor comes with 24 GB of primary volume. This volume contains the application and database on the EmpMonitor Server. This volume may be increased in size at a later point in time.
Screenshot Storage	Approximately 1 GB for screenshots taken every 1 minute for a period of 200 hours (8 Hours * 25 Working Days)
Updates	Updates are manually applied to server

Integrations	<ul style="list-style-type: none"> <li>● Storage <ul style="list-style-type: none"> <li>○ Google Drive</li> <li>○ Amazon S3 (Upcoming)</li> <li>○ Microsoft Onedrive (Upcoming)</li> </ul> </li> <li>● Projects and Tasks Management <ul style="list-style-type: none"> <li>○ Zoho Projects (Upcoming)</li> <li>○ Trello (Upcoming)</li> </ul> </li> <li>● LDAP</li> </ul>
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## Agent Requirements

Platforms Supported	<ul style="list-style-type: none"> <li>● Microsoft Windows 7, 8 and 10 (32-bit and 64-bit)</li> <li>● Microsoft Windows Server 2008, 2012, 2016 and 2019</li> <li>● Linux Os</li> <li>● Mac Os</li> </ul>
Meetings/sessions	<ul style="list-style-type: none"> <li>• Stand-alone workstation / server</li> <li>• Terminal server (RDS)</li> </ul>
Visibility	Stealth or Visible
Load	Approximately 50 MB – 100 MB memory and 1-5% CPU utilization, depending on user activity and screens.
Deployment	<ul style="list-style-type: none"> <li>• Silent MSI Installer</li> <li>• Deployment via Group Policy</li> </ul>
Bandwidth	Approximately 30 kbps upstream depending on users activity and screens.
Offline storage	EmpMonitor also records activities offline and saves all data locally. This helps in case of network breakdown to upload the data of activities done during network breakdown period to the server.
Updates	Auto updates available which checks for the new version and applies to the agent when the system restarts.

## Pre-Requirements

EmpMonitor Server Image	Provided by EmpMonitor on the Knowledge base section, or contact our tech support <a href="mailto:support@empmonitor.com">support@empmonitor.com</a>
EmpMonitor Licence Key	
Available IP Address	Supplied by you.
Virtualization Environment	EmpMonitor supports the following virtualization platforms in production: <ul style="list-style-type: none"><li>● VMware ESXi 6 and later</li><li>● XenServer 6.5 and later</li><li>● Hyper-V</li></ul>