

# JMP: JUST-IN-TIME MANAGEMENT PLATFORM FOR VMWARE HORIZON

## Deliver Windows as a Service

### Challenges with Windows Management

Managing desktops is hard. You have a myriad of tools that don't work well with each other. There are numerous combinations of applications and OS updates that need to be tested and delivered on infrastructure that needs careful configuration and maintenance. Reverting to a previous application or OS in the event of an emergency can be a nightmare. All this leads to slow SLAs, inflexibility, and high operating costs.

### Changing the Game with JMP

JMP is the next-generation desktop and application delivery platform from VMware, and is a key component of VMware Horizon®. It enables you to focus on defining outcomes based on business needs instead of maintaining and troubleshooting environments.

JMP leverages VMware Instant Clones, VMware App Volumes™, and VMware User Environment Manager™ technologies to untangle the operating system, applications, and user personalization. By doing so, all the component pieces together can be automatically assembled on demand to deliver Just-in-Time desktops and apps to any device. JMP lets you deliver Windows as a service.

### User-Centric Management

With JMP, you can manage outcomes instead of technologies. This means that instead of managing how users get their workspaces, you can define what kind of workspace a user should receive and JMP will automate the creation of the workspace. For example, you can define what a "Finance" desktop should be—what kind of OS, images, and user personalization and access privileges it should have—and then simply assign "Finance" desktops to "Finance" users or "Finance" groups. Workspace definition and assignment are done through a single console that ties all of the underlying technologies together. This decreases assignment time by over 50 percent. Additionally, exceptions and issues are caught early during the definition phase, which prevents extended test and deployment cycles. Examples of such exceptions include incompatibilities with delivering an application to a desktop, and whether the agent required for application delivery is configured correctly.

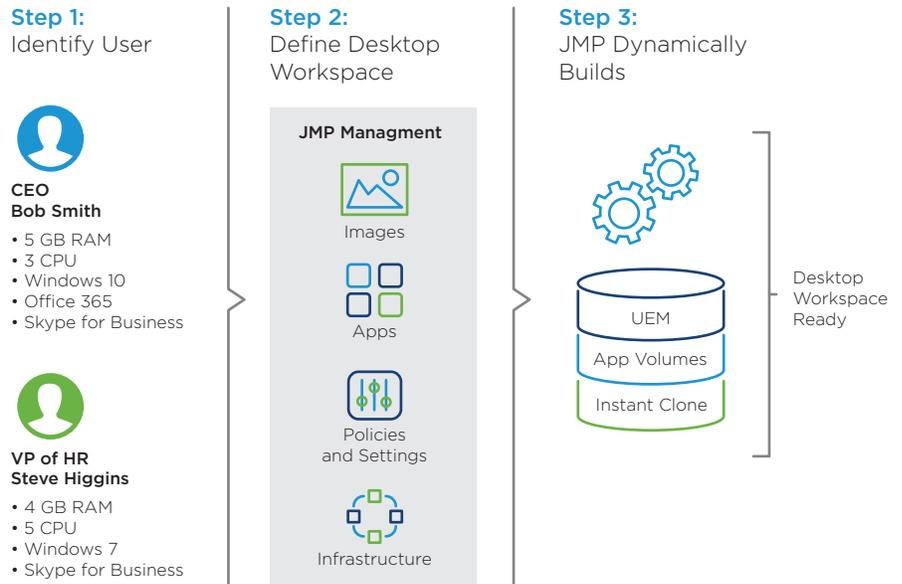


Figure 1: JMP Delivers User-Centric Management

### Just-in-Time Delivery

The new deployment model with JMP enables you to go from static to dynamic management. Since the OS, applications, and user personalization are all maintained separately from each other, changes can be made very quickly and independently of the other components. This is especially important with Windows 10 deployments where OS updates are released much more frequently than updates for previous Windows versions. With JMP, you can simply change the OS version for the desktop definition to update all users with a new OS update—without having to change anything else. You can also test application and OS combinations very quickly before rollout to ensure compatibility for your most critical applications. When a new version of Windows 10 is released, the assignments can be easily updated to consume the new version, and if there are issues, rollback is a matter of just a few clicks. Additionally, test assignments can be easily set up and then promoted to production.

### Stay Secure

Dynamic management and policies dramatically improve your security profile. With JMP, because OS and application images leverage the same golden, trusted images, there are far fewer images to maintain. If a security patch needs deployment, it can be done very quickly to the golden image, and rolled out to thousands of users. What’s more, every time the user logs out, the desktop is destroyed and reassembled when the user logs back in. This means that malware that is inadvertently or intentionally activated during a user session is obliterated every time the user logs out, and the desktops and apps start from a pristine, trusted image every time the user logs in.

Key features can be dynamically enabled, disabled, or controlled based not only on who the user is but also on many different variables, such as client device and IP address. You can use Smart Policies to enable or disable features, such as

“The new JMP workflow changes the game. It validates issues early so we can proactively avoid deployment problems, and eliminates manual steps such as application and user assignments when deploying new virtual desktops—so we can get deployed faster. The JMP workflow leverages Instant Clones, App Volumes, and UEM to reduce complexity, increase ROI, and streamline the VDI provisioning process. Managing desktops, applications, and user policies is now much easier and our engineers can focus on what matters most to them.”

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clipboard redirection, USB access, printing, and client drive redirection. For example, you can create a policy that disables security-sensitive features, such as cut-and-paste or USB drive access, when a user logs into their desktop from outside the corporate network. Smart Policies can be enforced based on role and evaluated at login and logout, at disconnect and reconnect, and at predetermined refresh intervals.

### Lower Costs

With JMP, you can drive down both operational and capital costs. JMP reduces downtime for your employees because you can very quickly spin up workspaces for employees to reduce maintenance windows—imagine delivering new updated workspaces to 1,000 employees in just 20 minutes. Also, because JMP automatically builds the workspaces your users need, you reduce time and costs for manual administration of images and infrastructure. Capital expenses are also greatly reduced because instead of separate desktop and application images for each user, every desktop image and application image leverages the same parent footprint—consider the savings of having 1 image instead of 1,000.

### Make the Move to Dynamic Management

JMP transforms management and delivery of virtual desktops and applications with a new user-centric model that enables Just-in-Time delivery, better security, and reduced costs. For more information on how you can use JMP with VMware Horizon, visit <http://www.vmware.com/products/horizon.html>, or contact your VMware representative.

