

# CA Identity Suite Virtual Appliance

Deploy identity management software in minutes

The Challenge:  
Traditional identity  
management solutions  
take too much time  
to deploy

It's no secret that setting up traditional enterprise software can be tricky. In many cases, simply installing the software components and making the adjustments to meet corporate policies can be a confusing, time-consuming and error-prone process. You generally have to install new operating systems, application servers, directories, plus the product itself. You also have to manually set up clustering configurations for these components and use only corporate approved configurations. Finally, you have to run a number of manual hardening steps to ensure that the highest security standards are met. This painful process typically takes days to complete, and even longer if problems or major questions arise.

In the enterprise identity management market, all of this was status quo—until now.

Introducing CA Identity  
Suite Virtual Appliance

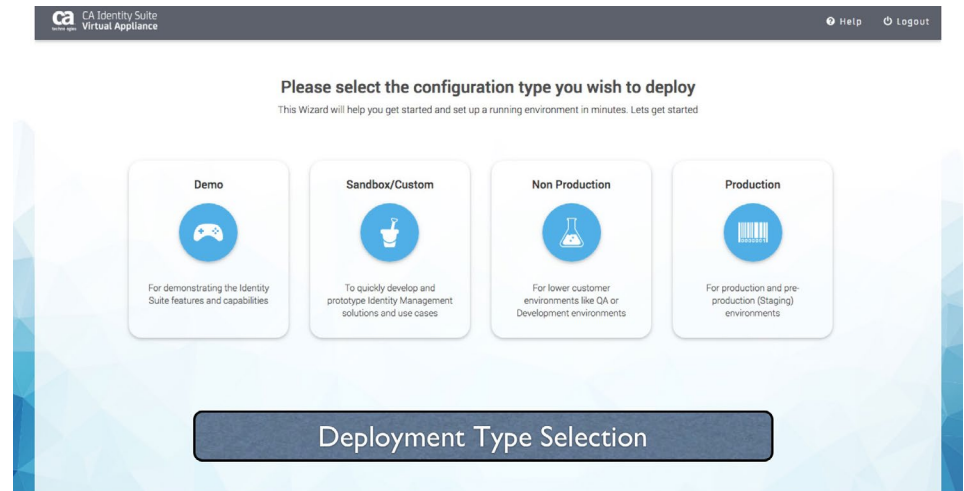
CA Identity Suite Virtual Appliance (vApp) offers a new software delivery approach designed to help you deploy identity management solutions in minutes. How? By eliminating the traditional installation phase and delivering a pre-installed, preconfigured virtual machine image that's ready to run in production configurations under common virtualization platforms. The virtual appliance embeds a hardened operating system, application server and CA Identity Suite software, while also including built-in support for common DevOps procedures such as high-availability setups, capacity adjustments, log aggregations, platform patches and software updates.

This approach can help you dramatically reduce time-to-value and TCO, and enable you to achieve more with the same team and budget.

To see how easy vApp makes deployment and configuration, consider the steps you need to perform to set up your Identity Suite solution.

## Select deployment type

The initial screen allows you to select the type of deployment that you want based on the intended use of the virtual appliance. Options include:

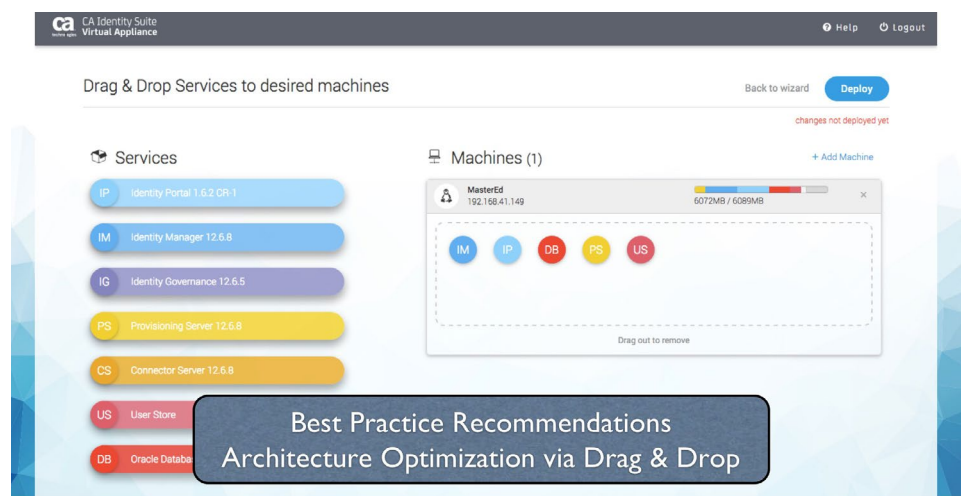


- **Demo** to show CA Identity Suite features and capabilities. All components of the suite are deployed to one virtual machine (all in one), the environment is populated with sample data and use cases for demonstration purposes using an embedded database.
- **Sandbox/custom** to help integrators and CA Identity Suite solution developers quickly develop and prototype identity management solutions and use cases. This feature offers maximum flexibility and imposes minimal hardware requirements; use either the embedded database or an external database, or an all-in-one or distributed cluster topology.
- **Non-production** for lower customer environments like QA or development environments. This capability offers a highly available cluster for CA Identity Portal, CA Identity Suite and CA Identity Governance components. A customer-supplied, external database is required. This deployment type requires minimal hardware resources.
- **Production** for production and pre-production (staging) environments. The solution offers a highly available cluster for all the CA Identity Suite components. A customer-supplied, external database is required. This deployment type requires recommended hardware resources.

### Optimizing the architecture to your environment

The next step is to continue to fine-tune the deployment architecture that you've selected, including mapping the identity services to specific target machines. Simply drag-and-drop services to the machines on which you'd like to deploy them.

One of the most compelling benefits of this capability is that it automatically handles the complexities of high-availability environments, failover, memory capacity and the like. Correctly configuring the environment manually for these requirements is always time-consuming and error-prone. With vApp, you can just drop a component (for example, CA Identity Manager) onto two separate servers. vApp will recognize a high-availability environment and automatically configure the routing, communication paths and clustering so that you don't have to worry about it. There's no need to set up proxies or update configuration files and other such tedious tasks. In addition, as you drop services onto servers, the solution tracks memory capacity of each one so that it can highlight overloaded systems and provide recommendations on a more efficient machine deployment model.



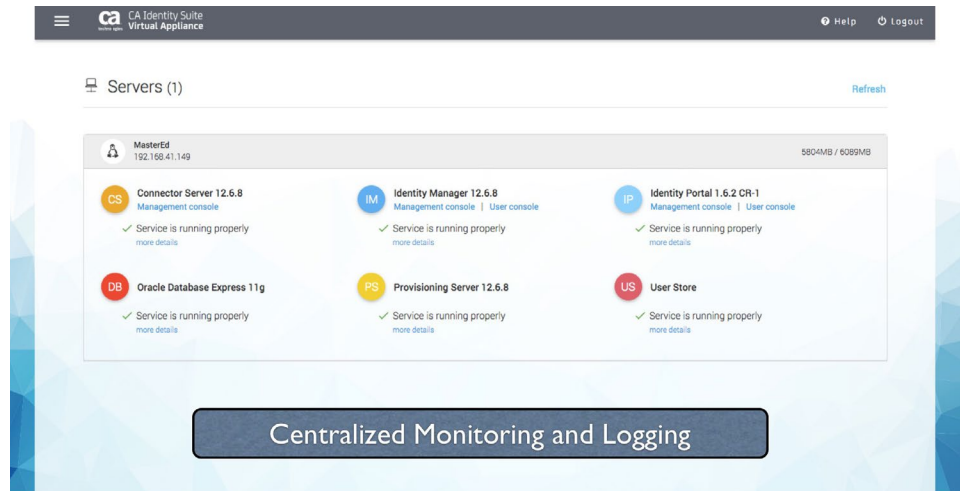
### Capacity management

Changes in your deployment will certainly occur. For example, you may need to add new machines for more capacity and to move components around to maximize processing power and response. vApp lets you make these changes as easily as in your initial deployment.

Need to add a new machine to the cluster? Use the vApp web console to register the new machine. Want to add more instances of CA Identity Manager? Simple—just drop it onto the target machine which does it for you. This capability can dramatically simplify the ongoing management of your environment by making major structural changes to it as easy as drag-and-drop actions. Also ideal for seasonal load and user-population peaks, this capability lets you easily add more capacity during times of high demand, and then revert back to a steady-state deployment.

### Monitor the deployment

The vApp dashboard provides continuous information and the status of each component of the deployment. There are also easy links to both the user interface, and where applicable, the administrative interface of each component. This information makes it very easy to visualize the current status of your deployment, and to easily interact with any components that you need to monitor.



### License cost savings

The vApp includes pre-installed instances of operating system, application server and directory. Unlike traditional deployment models where these platform components are purchased separately, they're automatically included in the virtual machine and available at no additional cost.

Components	CA Identity Suite Virtual Appliance	Traditional Deployments
Operating system	Included	Separate license required
Application server	Included	Separate license required
Directory	Included	Separate license required

The additional software licenses are required across multiple instances for high-availability and across multiple environments, such as development, staging and production. The result is a significant reduction of overall software license costs. CA estimates that in many cases, customers can expect savings of \$100K or more on an annual basis.<sup>1</sup>

## Summary: Solving the Deployment Challenge

Anyone who has deployed a major software product knows how challenging it can be. The vApp dramatically simplifies the installation and configuration of its components – cutting the full deployment time from days to minutes. The benefits are profound – vastly improved time-to-value, reduced cost and effort, and a far more pleasant installation experience.

vApp enables you to:

- Easily set up and configure your initial deployment.
- Easily support high-availability environments with clustering and failover, without manual configuration.
- Simplify Identity Suite upgrades—product upgrades involve downloading an upgrade package which can then be installed on the existing vApps. The vApp built-in upgrade/patching engine will take care of upgrading/patching all of the various suite components.
- Make configuration changes later as user populations and load increase.
- Support high, seasonal load demands, and easily reconfigure after the demand slows.
- Easily determine the current status of each machine and component.
- Reduce the total license cost of software components.

For more information about CA Identity Suite, please visit [ca.com/identitysuite](http://ca.com/identitysuite)



Connect with CA Technologies at [ca.com](http://ca.com)



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<sup>1</sup> Estimate based on an analysis performed by CA on data from customers using CA Identity Suite