

Cut Costs and Improve Agility by Simplifying and Automating Common System Administration Tasks



The Best-Run Businesses Run SAP®

Simplify management of SAP software landscapes

Simplify management of SAP® software landscapes

Your IT department needs to do more than just maintain the SAP® software used to **boost efficiency and differentiate your business**. Today, you're expected to respond swiftly to support new initiatives while controlling IT costs. Virtualization and cloud technologies have played a key role in helping IT achieve these goals – but there's still more that can be done.

Reaching these goals isn't easy. Most companies have to rely on an unwieldy number of management tools to support this work – for example, to manage traditional and virtual applications and their underlying infrastructure. This fragments and limits your view of what's happening, which leads to hidden inefficiencies and unexpected downtime.

To manage critical applications across complex, hybrid IT landscapes, you need an overview of the landscape to efficiently manage and operate it. You must plan accordingly to

minimize business impact. And you need to take steps to control IT costs and increase business agility – for example, by freeing staff to focus on more strategic work rather than manual, error-prone tasks.

With SAP Landscape Virtualization Management software, you can do all this and more. Use it to centrally manage and provision your SAP software systems and landscapes running in physical, virtual, and cloud infrastructures.



Single, intuitive user interface to manage systems and landscapes

Single, intuitive user interface to manage systems and landscapes

Clone, copy, and refresh SAP software systems

Central landscape view and status for systems and infrastructure

Automate administrative tasks

SAP Landscape Virtualization Management gives you visibility into and control over SAP and non-SAP software systems running in physical, virtual, and cloud infrastructures. By automating and simplifying common administrative tasks, the software also helps reduce the time, effort, and cost of operating your SAP landscape while improving IT agility. As a result, your IT department can be more responsive to new business needs and opportunities.

SAP Landscape Virtualization Management complements SAP Solution Manager by providing insight into infrastructures as well as the applications running in them. The software works in conjunction with key infrastructure components (such as the virtualization layer, storage, operating system, and network) to give you full visibility into managed SAP software systems and underlying infrastructure as well as more control over them.

More easily manage and provision SAP software systems and landscapes while reducing the time, effort, and cost of managing underlying infrastructure.



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SAP Landscape Virtualization Management reduces the time and effort required to clone, copy, and refresh the SAP NetWeaver® technology platform – both SAP NetWeaver for ABAP® programming language–based systems (for example, SAP Business Suite software, the SAP Business Warehouse application, and the on-premise edition of SAP S/4HANA) and SAP NetWeaver for Java-based systems (for example, the SAP Enterprise Portal component), including support for the SAP HANA® platform (single node or scale-out and replicated or nonreplicated) on a tailored data center. Using automated activities, you can:

- **Clone** – Make an exact image of a system through storage or virtual technologies or by defining your own custom-cloning

process. The software creates a 1:1 image of the source system while retaining the system name and ID. This enables you, for instance, to test a business-critical production system that can't be shut down without negative business impact.

- **Copy** – Make a copy of a system to create a new one. SAP Landscape Virtualization Management takes care of cloning the source system, renaming it, converting to the new logical system names, and executing the postcopy activities, so it operates as a new system.
- **Refresh** – Refresh business data in a nonproduction system by copying over business data from the production system but keeping the nonproduction system configuration, such as the system name and ID, connections, and user information.

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Objectives

Solution

Benefits

Quick Facts

Single, intuitive user interface to manage systems and landscapes

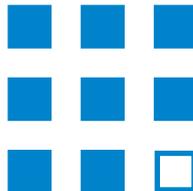
Clone, copy, and refresh SAP software systems

Central landscape view and status for systems and infrastructure

Automate administrative tasks

You can even have one-click clone, copy, and refresh by using template provisioning.

Usually, more than one SAP software system will be copied and refreshed at the same time. With the "synchronized clone" feature, the cloning step for each copy can be scheduled for a certain time.



Clone, copy, and refresh SAP software systems in less time and with less effort using automated activities.



Central landscape view and status for systems and infrastructure

Single, intuitive user interface to manage systems and landscapes

Clone, copy, and refresh SAP software systems

Central landscape view and status for systems and infrastructure

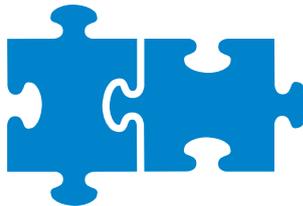
Automate administrative tasks

Do you find that your IT department is using lots of tools to monitor SAP software systems, third-party systems, and IT infrastructure? And does this fragment and limit visibility into application and server performance?

To address these issues, SAP Landscape Virtualization Management delivers centralized visualization, dashboards, and reporting. Data about infrastructure and applications is collected in real time and then analyzed and published through a “single pane of glass,”

so you can know exactly what’s happening with managed systems and their associated infrastructure.

For example, the software provides a real-time, hierarchical, and graphical view of all your SAP software systems and the architecture of the infrastructure they run on. At any time, you can drill into your IT landscape and see the resources and networks that are in use. It’s always up-to-date, accurate, and instantly accessible.



Because you can see the dependencies between systems, you know exactly what will be impacted if you start or stop a particular system.

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In addition, prebuilt dashboards give you a visual summary status of all activities, tasks, systems, hosts, diagnostic messages, and more. This information is dynamically generated, configurable, and asynchronous. You simply select the pods you want for a status overview and move them in and out of dashboards as needed.

The software goes beyond landscape visualization and dashboards by delivering the landscape information for both physical and virtual hosts – and systems. For example, you can see response times and the number of users for each system as well as the memory and CPU usage of the hosts that the systems

are running on. And it's all centralized for a single, integrated view of everything in your landscape – down to the lowest level of detail or component.

SAP Landscape Virtualization Management also supports consolidated management reporting. At any time, you can instantly see how many systems are being managed, their peak load usage, and how many systems IT has copied or refreshed. The software includes nine predefined reports, each with filters that allow you to target the data that you want to see. You can print and even export those reports in different file formats like CSV, XLS, and PDF.



Automate administrative tasks

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SAP Landscape Virtualization Management gives you a framework for automating the tasks required to manage SAP software systems and their supporting infrastructure.

SAP Landscape Virtualization Management also includes a task planner for scheduling tasks related to the operation and management of SAP software systems. For example,

you can schedule a system shutdown to occur at night without the need for human oversight. Moreover, the software alerts you when dependencies between systems require that you shut them down in a particular sequence. An intersystem dependency framework captures the dependencies between the systems, which helps minimize risk when performing system operations.



Automate tasks so that they can be done without human oversight, giving you more time in your workday.



Realizing the benefits

Realizing the benefits

With SAP Landscape Virtualization Management, you gain a single, unified view of your physical, virtualized, and cloud infrastructure – and management tools to keep everything running optimally and responsively for the business. You can:

- **Reduce time and effort to transition to virtual and cloud environments** – by using the software to copy from a physical host to a virtual host
- **Respond to and support new business needs** – by customizing or extending the

built-in functionality to better suit the needs of a particular environment

- **Radically simplify management of SAP landscapes** – by automating and scheduling tasks and gaining a single, unified view of what's happening with applications and architecture
- **Reduce operational costs for your SAP software systems** – because the software automates manual tasks, which saves time and makes the execution of tasks more reliable, predictable, and less prone to errors

It's never been easier to automate repetitive tasks, gain visibility and control over your landscape, and reduce IT costs.





Objectives

Summary

Companies often spend too much time and effort managing and provisioning SAP® software systems and landscapes. With SAP Landscape Virtualization Management software, you can automate repetitive tasks and gain visibility and control over SAP and non-SAP software systems and their physical, virtual, and cloud infrastructures. You'll boost efficiency and agility and lower operating costs.

Objectives

- Simplify management of SAP software systems and landscapes in physical, virtual, and cloud infrastructures
- Support new business initiatives quickly and cost-effectively
- Reduce IT costs

Solution

Benefits

Quick Facts

Solution

- Enable end-to-end provisioning activities
- Extend functionality to fit your requirements with custom provisioning and custom operations
- Visualize and manage systems and infrastructure, and schedule tasks
- Switch the kernel for ABAP® programming language with no downtime
- Support high-availability scenarios for the SAP HANA® platform
- Restrict user landscape visibility and operations

Benefits

- Greater operational continuity through central management, visibility, and control of infrastructure and systems
- Ability to provision systems more quickly, giving you greater agility
- Reduced time, effort, and cost

Learn more

To find out more, call your SAP representative or visit us at <http://scn.sap.com/community/it-management/virtualization>.



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