Pave the Way for IT Innovation by Reducing Cost, Risk, and Energy Use

SAP

The Best-Run Businesses Run SAP™

Charting the course for sustainable IT

IT organizations around the world are looking for new ways to manage increasing complexity and higher energy costs – trends that are quickly consuming the majority of IT budgets. So where can you find the budget to support innovation? How do you meet the needs of tomorrow while continuing to provide your company with IT operations services today?

You do it by developing and implementing an effective, sustainable IT strategy. Your strategy must address these questions, as well as take into account shrinking IT budgets, more complex IT support requirements, and public pressure for greener IT. In addition, it should define how you'll leverage technology to free up IT budget for innovation.

SAP can help you to manage your IT-related costs and complexities, risks, and energy consumption through a complete set of solutions and services. Use them to define and execute the right plan so you can:

- **Simplify your application landscape** by decommissioning, archiving, and consolidating your business applications
- **Increase your IT infrastructure utilization** through application virtualization and by reducing the size of your nonproductive environment
- **Foster dematerialization** through paperless enterprise content management
- **Reduce IT risk** through active management of your IT infrastructure assets
- **Deliver IT-driven innovations to the business**

Set a baseline and manage sustainable IT performance indicators

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You can't improve what you don't measure. And while capturing and analyzing data can be a costly, labor-intensive process, it doesn't have to be. SAP® solutions can help you automate data collection from SAP and other systems. They also provide predefined content for handling sustainability-related data and reporting frameworks that help you make decisions that drive better financial returns and business excellence. For example, you can:

• Track and communicate sustainability performance
• Focus on increasing returns and executing strategy
• Strengthen your brand via transparency and accountability

• Reduce the time and cost involved in gathering data
• Improve reporting accuracy and usability
• Set strategic goals tied to your company's key performance indicators (KPIs)

Our solutions deliver real results. For example, using the SAP Sustainability Performance Management analytic application, SAP's IT department cut the effort needed to put together its quarterly "Green IT" report by 30%. At the same time, IT staff can drill down into KPIs for further insight into actual performance.

You'll benefit from reduced manual efforts, improved data accuracy, and greater insights enabled by instant data drill-downs.

Decommission legacy systems

Legacy systems are often inefficient and consume unnecessary energy for operations and cooling. So one of the quickest ways to reduce energy costs and make IT greener is to consolidate these systems and decommission those no longer needed. But how can you do this strategically and cost-effectively?

With SAP solutions such as the SAP NetWeaver® Information Lifecycle Management component, you can efficiently manage legacy systems for a greener IT footprint. For example, our landscape transformation solutions and services help consolidate and simplify your SAP system landscape as part of a green IT initiative (or after mergers, acquisitions, or major restructuring). Customers often find they can consolidate multiple large legacy systems into a small, single instance and still have on-demand access to data (for example, to respond to tax audits and generate reports). And using information lifecycle management solutions, you can significantly reduce the number of your legacy systems – while preserving full auditing and reporting capabilities to comply with legal and regulatory mandates.

Taking these kinds of actions can greatly improve the sustainability of your business. You'll not only reduce the number of systems you manage but also reduce IT landscape complexity, energy consumption, and total cost of ownership.

Archive documents and unused data

For most companies, data and document volumes are growing at an alarming rate – yet only a subset of this data must be readily available to knowledge workers, executives, and the extended enterprise. Archiving obsolete or infrequently accessed data not only enhances system performance but also reduces and stabilizes data volume in databases and lowers administration costs.

SAP can help you realize the benefits of archiving with services and software such as SAP NetWeaver Information Lifecycle Management, which manages the size and growth of data volume. You can also use it to execute data retention activities, such as moving data from production systems into the SAP Archiving application by OpenText, where you can archive legacy data in a secure, compliant, and tamper-proof format. You can even scan documents as part of a process and automatically archive them according to your retention guidelines. Once data is stored, you can readily access it from your other SAP applications.

These applications support a wide range of storage hardware and enable you to:
• Reduce the size and resource consumption of SAP databases
• Increase process efficiency and accelerate cycle times by integrating electronic documents into processes
• Reduce energy consumption of storage systems
• Decrease system downtime for software upgrades

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Many companies grow through acquisition and operate a distributed system landscape. This can lead to disparate systems that increase management and operating expenses and energy requirements. Establishing a single-system instance with standardized processes, add-ons, programs, and data can significantly reduce system complexity and result in greener, more sustainable IT.

SAP can help you establish a central, consolidated system landscape that's accessible to multiple legal entities. For example, the System Landscape Optimization group of experts from the SAP Consulting and SAP Active Global Support organizations offers services to help you design and build an IT infrastructure that can better support your business needs. They can help you leverage software such as SAP Landscape Transformation software to build multiclient systems and even combine them using system upgrades and Unicode conversions. The resulting consolidation can significantly lower the overall cost and ecological impact of your SAP software landscape and the effort required for maintenance and administrative work.

System consolidation can be a first step in designing a more sustainable, efficient, resilient IT infrastructure that's foundational to your success.

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With landscape virtualization solutions from SAP, you can deploy and manage existing, on-premise SAP applications in a virtualized data center. Strategic use of virtualization can lower your total cost of IT operations and help you increase efficiency. For example, using solutions such as SAP NetWeaver Landscape Virtualization Management software, you can optimize the use of computing resources and achieve greater flexibility via dynamic resource allocation. This not only reduces the number of physical servers needed but also dramatically increases scalability and utilization.

In addition, you can:
- Simplify the management of systems and landscapes
- Reduce operational cost through automation of routine administration tasks
- Increase operational agility and quickly respond to workload fluctuations
- Reduce energy consumption and e-waste
- Save on hardware resources and energy through dynamic provisioning and resource allocation

Virtualization empowers you to respond dynamically to changing business needs and maintain high service levels at a lower cost.

Reduce the size and cost of nonproductive environments

Do you need to test software development using real business data? Traditionally, IT departments have copied all production data into a test system in order to evaluate new software or changes. But these massive test databases are expensive and time consuming to create and run. Usually you need only a subset of the right data – not terabytes of data – to test processes.

We help you optimize your test landscape by making it lean and cost-effective. Using SAP Test Data Migration Server software, you can transfer only the data you need to create con-

sistent development, test, quality assurance, and training environments. You'll benefit from:
- Higher-quality development and training activities by using business-relevant, current test data
- Reduced administrative effort to set up and manage development, test, and training systems
- Greater flexibility in being able to selectively refresh single clients of these systems
- Reduced testing expenses – because you can scramble sensitive data to make it anonymous and thus "safe" for low-cost outsourcing firms to run tests

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Right-size your test, development, and training systems so they consume fewer financial, human, and energy-related resources.

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One of the easiest steps you can take toward a more sustainable enterprise is reducing the use of paper-based processes. Going paperless, or dematerialization, protects the environment and simultaneously reduces your operational costs – a win for everyone.

Forms Lifecycle Manager (FLM) is an enterprise software product by Arch that simplifies the implementation, deployment, and management of the SAP Interactive Forms software by Adobe by providing a runtime environment with forms monitoring, version control, and other centralized services. It also enables the use of HTML-based forms and integrates

forms-based processes with multiple mobile devices. FLM is an SAP-endorsed business solution.

SAP can help you run paperless processes with SAP Interactive Forms. It enables you to prepopulate forms, access them through Adobe Reader software (available on most computers), and submit captured data back to SAP software systems for processing. Forms can be completed offline or online, saved, printed, e-mailed, and archived. You can even build rules into the forms to make sure users do not enter incorrect data.

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SAP also offers a range of enterprise content management products. For example, the SAP Extended Enterprise Content Management (SAP Extended ECM) application by OpenText supports records management (DOD 5015.2 certified). It also allows organizations to manage all information, whether structured or unstructured, with strong records management including scanning and document access integrated into processes people use every day. Products like the SAP Document Access application by OpenText and SAP Extended ECM can enable complete digitization of paper, allowing users to scan, view, share, comment upon, and archive documents digitally and

help ensure they are fully integrated with core SAP processes. Another product, the SAP Document Presentment application by OpenText, lets customers output customized documents through digital channels such as e-mail, the Web, mobile devices, and portal pages, greatly reducing the cost and environmental toll of paper mailings. Lastly, we also offer solutions tailored to particular processes such as accounts payable, employee documentation, and travel expense management. Each of these solutions is designed to streamline and digitize content-related workflows, using SAP software as the core process engine.

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Managing your IT infrastructure more sustainably requires that you map your business processes to the underlying IT infrastructure, including end-user computers, printers, network and storage devices, servers, and databases, as well as SAP and non-SAP software systems.

SAP offers a variety of services and solutions to help you make these connections and manage your IT infrastructure for greater reliability and less risk. For example, using SAP IT Infrastructure Management software and the SAP Solution Manager application management solution, you can model and monitor your infrastructure components and receive alerts regarding issues across your entire IT infrastructure. Intelligent, automatic discovery functions enable you to detect dependencies and run business impact analyses within the configuration management database. You can also plan ahead for maintenance activities that require system downtime and respond more effectively to unexpected incidents and problems. For instance, you can quickly identify the underlying technology causing a problem, as well as the processes and departments that are affected.

SAP IT Infrastructure Management provides the foundation for running IT sustainably now and in the future.

Gain the benefits of a sustainable IT cost and risk structure

Wherever you are in your journey toward achieving a sustainable IT cost and risk structure, SAP has the software and services to help you get started, drive improvements, measure progress, report results, and deliver stakeholder value. Leveraging our solutions and services, you'll be able to manage IT more responsibly to minimize energy and resource consumption, as well as:
• Enable long-term business success through IT innovations
• Increase operational efficiency and reliability
• Reduce energy, hardware, and IT management costs

• Achieve dematerialization across your entire enterprise
• Have transparent, timely, and effective sustainability reporting that you can share internally and with regulatory organizations

At the same time, you can drive more sustainable business practices, improve operating margins, boost brand reputations, and attract investors.

Our sustainable IT solutions help reduce the cost and risk of current IT operations – and free you to concentrate on enabling innovation for tomorrow.

Summary

Is your IT organization striving to invest in innovations and to establish more sustainable operations? SAP has the software and services to help you drive improvements, measure progress, report results, and deliver stakeholder value. Our integrated, sustainable IT solutions and services can help you realize immediate returns by simplifying your application landscape, boosting infrastructure utilization, driving dematerialization, and reducing IT risks. You'll be able to achieve more profitable growth, increase innovations, and reduce brand risk.

Objectives

- Lower IT costs to meet flat or reduced budgets
- Minimize IT complexity as business needs change
- Increase IT infrastructure utilization
- Reduce IT risk

Solution

- Sustainable IT performance management
- Legacy system decommissioning
- System consolidation
- Landscape virtualization
- Data archiving
- Reduced size of nonproductive system
- Digitization of paper-based processes and documents
- Mapping of business processes to IT infrastructure

Benefits

- Free up budget for innovation
- Proactively manage operational risk
- Increase operational efficiency and reliability
- Reduce energy, hardware, and IT management costs
- Achieve dematerialization across your enterprise
- Have transparent, timely, and effective sustainability reporting

Learn more

To find out more, call your SAP representative today, e-mail us at greenit@sap.com, or visit www.sap.com/greenIT.