



SystemForge

Microsoft
GOLD CERTIFIED
Partner

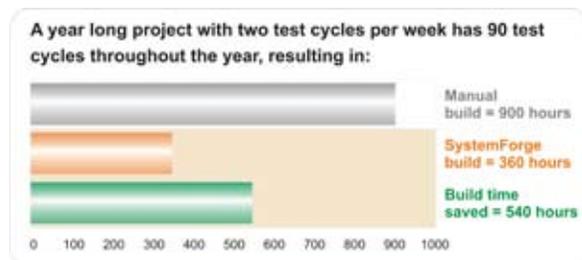
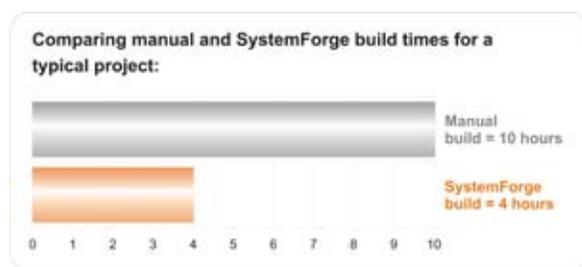
Accelerate development & testing to reduce project delivery times & costs

The cost, quality and time-scales of software development projects can be impacted by the time it takes to provision development & test environments, and the consistency with which servers are built and rebuilt.

Reduce costs and accelerate software development & testing

SystemForge® accelerates the deployment and provisioning of complex server environments through the automation of installation, configuration and server-build tasks. This easy-to-use, powerful solution reduces the expense and time-scales of building server environments for application development & testing facilities, business and Internet services, data centers, etc.

With SystemForge the provisioning of server environments becomes an operational task, rather than a long, complex project. In situations where multiple servers and applications are involved, the time saved is considerable.



Incorporating 1E's extensive experience in designing and building large-scale Windows® server environments, SystemForge works in conjunction with Microsoft Operating System Deployment technologies to assure the integrity of large, multi-node infrastructures. It enables rapid automation to manage the complexity of thousands of interdependent server-build tasks and minimizes the risk of human error.

Software development project benefits include:

- **Bring in projects earlier:** SystemForge can condense a year long project into several months, considering head-count spend - the cost savings are immense
- **Increase time for testing:** Provide multiple virtual or physical test environments for more concurrent testing
- **Increase consistency across all projects:** Reusable existing build processes and knowledge is passed on
- **Accelerate test processes:** Test routines can be initiated automatically as soon as the environment is ready
- **Consistent installations:** Application components including in-house developed applications, are installed and configured in the same way across all projects during development and into production
- **Multiple automated concurrent builds:** A single console allows many environment builds to be initiated then built simultaneously
- **Lower infrastructure management effort per project:** One team can manage infrastructure requirements for many projects

Operational benefits include:

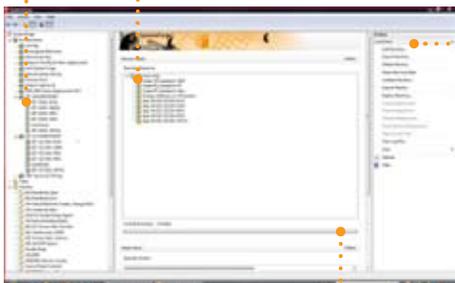
- **Build environments fast:** Rapidly build and change complex development & test environments
- **Improve quality:** Re-use tried and tested processes to ensure quality in production environments
- **Self-provisioning:** Developers can build their own virtual test environment without the in-depth infrastructure knowledge normally required
- **Enable seamless flow between Development, Test and Infrastructure Teams:** Bugs in infrastructure can be fixed and rolled-out as easily as changing lines of code

Fast, simple & intuitive

The SystemForge console is quick and easy to use. The included SystemForge Management Pack for Microsoft Operations Manager provides centralized monitoring, reporting and access to historical data.

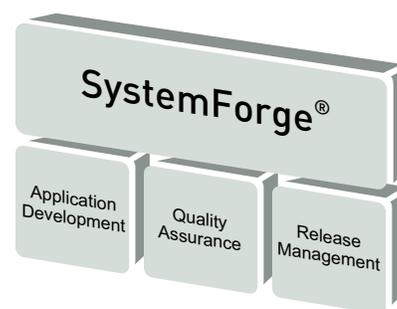
Delivering ease, speed and consistency in building, adapting and replicating complex environments, SystemForge provides standardization and reusable assets across an organization where typically many teams are involved.

- Intuitive drag-and-drop method of working using tags, playlists and optional change control, helps organize installation and configuration steps
- Servers are built in parallel with interdependent tasks managed automatically
- Server build will pause if user requires, or if failure detected, allowing changes to be made and build to be resumed



Console displays real-time progress and output from servers being built

SystemForge® assists:



Test Team

- Consistently built test environments
- Can request infrastructure change as easily as a code change



Infrastructure Team

- Consistent application deployment methodology
- Self-documenting - defines the application



Development Team

- Consistent application definition manifests
- Self-provisioning for virtual environments

Leverages virtualization

With SystemForge there is no distinction between physical and virtual machines - it handles both identically. SystemForge automates the creation of virtual machines, empowering developers to create replica test environments on their own workstation.

1E Professional Services

SystemForge is delivered through 1E Professional Services to optimize your design, build and deployment processes, enabling you to quickly reap the benefits and value of the solution. 1E have decades of experience in building complex server environments. Leveraging 1E Professional Services' skill-set and using the scripts provided enables the rapid tailoring of a SystemForge solution to suit your particular environment.

Conclusion

SystemForge quickly achieves substantial cost savings and brings huge benefits for development projects. It excels in situations where testing is dependent on infrastructure that must be trusted and in a known state. SystemForge delivers quality assurance and ensures that good practices are followed when providing test environments in software development projects. Contact us today to find out more.

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