

# Efficient, reliable, secure software development for mission critical applications

## When developing vitally important software, inefficiency isn't an option

For IT teams that deliver mission-critical software for government, utilities, transport, defense, finance or intelligence, there's simply no room for error or inefficiency. When software performs an important role in people's lives, or for communities and countries, it must be highly reliable, secure and adaptable. And if there's an error, the software also needs to be fully retractable and rapidly updateable – to prevent negative consequences.

Yet in many of these sectors, IT teams are still relying on legacy solutions and traditional methods of software development. This has the potential to hinder innovation and can significantly impact the speed with which new solutions can be created, tested and deployed. It can also create room for security and compliance issues, exposing the organisation to unnecessary risk.

To thrive in the future, today's organisations need to take a fresh, revolutionary approach to software development—one that turns desk-bound employees into innovators and decision-makers. With the right approach, talented workers can then focus on solutions that enable business growth, rather than wasting time solving scalability, automation, security or compliance issues. This is where SECTION6's Software Factory comes in.

## Get to market faster and avoid the development bottlenecks

Software Factory is an innovative and integrated suite of software that facilitates a systematic and reliable approach to software development—unlocking the full potential of digital transformation.

It leverages a range of Red Hat technology, including the Ansible Automation Platform, Enterprise Linux, Developer Hub and OpenShift, to help development teams work as securely and efficiently as possible—automating manual processes, enabling rapid scalability, and avoiding the need to 'reinvent the wheel' when it comes to developing code.

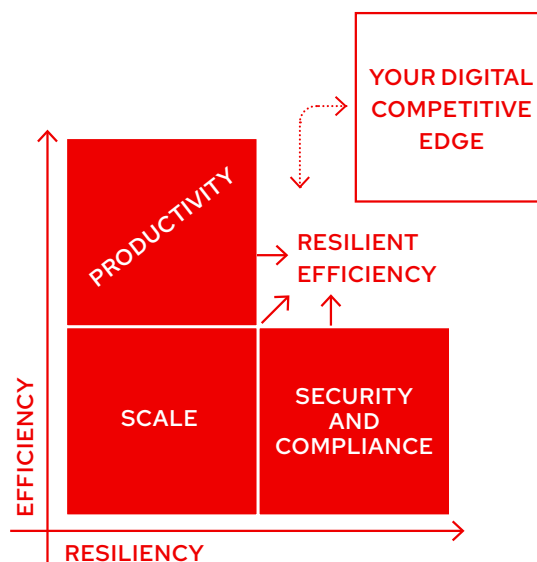


Figure 1 – Creating competitive digital advantage through resilient efficiency



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- **Develop at scale** – the systematic design of the Software Factory means development teams can handle increasing demands and more effectively respond to changes in the market.
- **Work productively** – by leveraging existing code and relying on automated processes, developers can work faster, saving costs, reducing errors and driving revenue. We call this 'resilient efficiency'.
- **Boost security and compliance** – robust development and testing 'guardrails' help mitigate the risk of a data breach or software being non-compliant with industry regulations.
- **Foster innovative development** – by making day-to-day software development more efficient and reliable, IT teams are empowered to focus on more high-value, innovative solutions.
- **Customised to your organisation** – the Software Factory solution can be completely adapted to suit your organisation's specific needs, security requirements and existing processes.
- **Continuous improvement** – Software Factory is an ever-evolving solution, constantly updated to meet the needs of your organisation and industry.

SECTION6 is proud  
to be a Premier Red Hat  
Business Partner.



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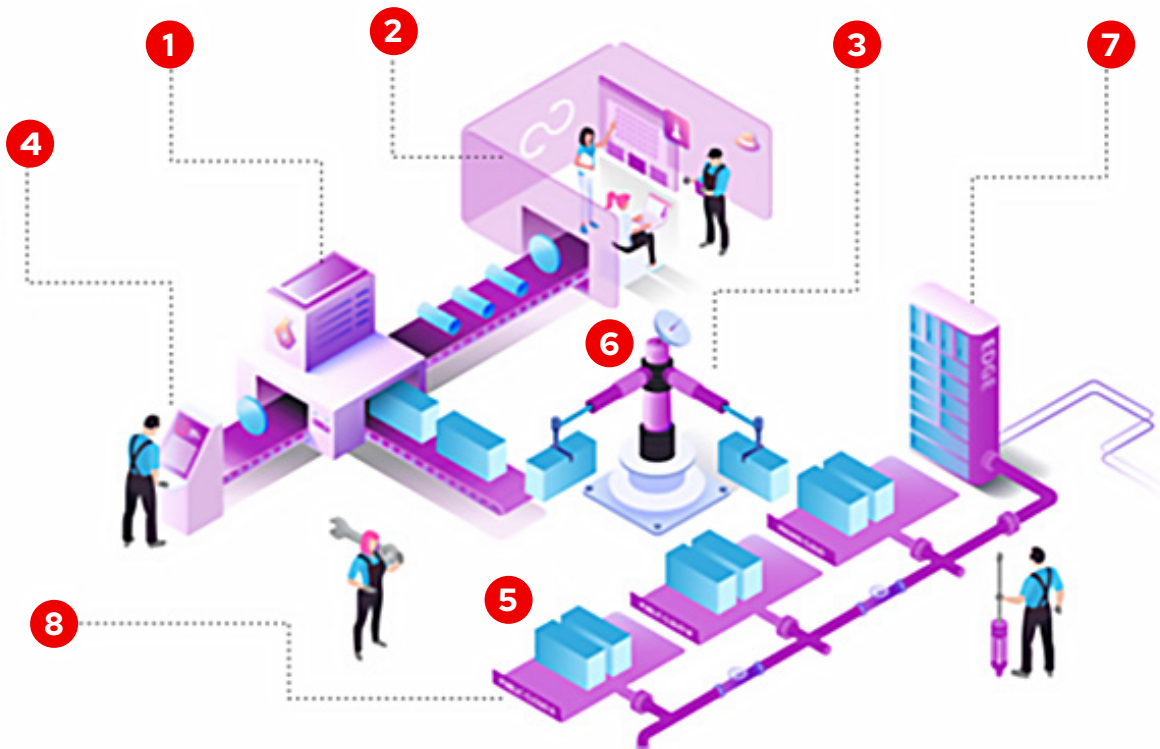




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1

**Ansible Automation Platform:** The foundation for building and operating automation across your Software Factory.

2

**Developer Hub:** Your pane of glass into the Software Factory for your developers. Centralising frameworks to reduce friction and frustration for engineering teams while boosting their productivity.

3

**OpenShift:** industrial scaling of Kubernetes container – automating and scaling your deployments providing resilient secure computing for your business applications.  
**Quay** for your container image registry. Integrated for productivity and security.

4

**Trusted Software Supply Chain**  
Centralise and control code security and compliance with confidence inside of the software Factory. Single Sign On: Centralise security for your developers and your clients. Secure and reliable.

5

**Enterprise Linux (RHEL):** in combination with Satellite and other Red Hat software RHEL provides for a secure, product operating system that scales with your business.

6

**Satellite:** scalable management of RHEL infrastructure with capabilities to manage from tens to thousands of systems.

7

**Edge Single-Node Deployments with OpenShift:** Standardise management of edge: secure, scaled, and productive.

8

**Multi and hybrid cloud with Openshift:** To manage and balance your workload constantly across all your deployments: clouds, and private and edge.

Figure 2 – Key components of the Software Factory solution

## The Positive impact of a Red Hat Software investment on Revenue, Cost, and Potential Losses, Over Time

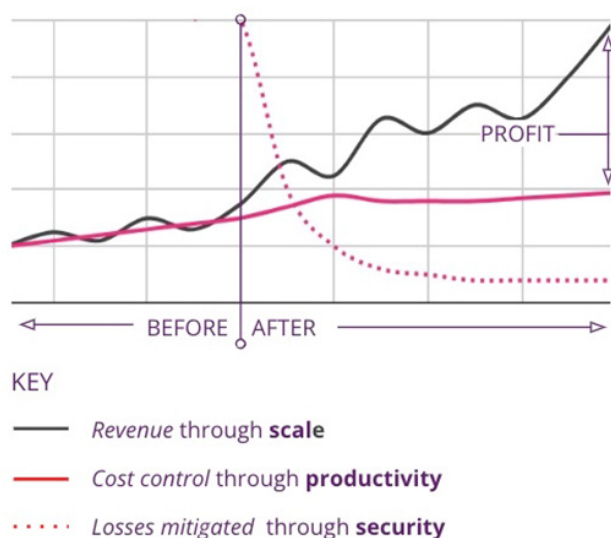


Figure 3 – The cost benefits of Software Factory

## Why partner with SECTION6?

- **Experience** – we have worked extensively with organisations in a range of mission-critical industries, including utilities, transport, finance, government, security and intelligence.
- **Agility** – we take a flexible approach to every project, integrating specialised skills without contractual modifications or cost escalations, allowing us to swap skills as necessary.
- **Expertise** – our team possesses deep technical acumen, systems thinking, and proficiency in Agile and DevSecOps practices. We are passionate about developing systems that consistently produce high quality, scalable and adaptable software.
- **Process** – Software Factory is founded on the Flow Framework – a proven model for managing value streams in the context of software delivery.
- **Collaboration** – with a focus on achieving high quality technical outcomes through Agile methodologies, our team doesn't just execute – we actively collaborate with you at every step. We are focused on always assembling the right team, establishing sound technology strategies, and implementing robust processes.

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Red Hat helps customers standardise across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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