Software Supply Chain

Through more than 50 years of IT evolution, we have seen major shifts in computing architectures enabled by technology improvements and driven by business needs to leverage these technologies to gain competitive advantage. Business innovation is increasingly being delivered via software. For most software projects these days, 70 % of the budget is locked in maintenance, 37 % of projects go over budget and 30 % of project costs are due to rework and poor execution of requirements. 60 % of projects fail to meet the intended schedule.

Rapid pace of change and the digitization of business drive the need for agility. We must be able to provide faster time to market, improved efficiency, ensured business continuity and reduced cost. However the reality is that managing the extended software supply chain (SSC) — including an increasing number of stakeholders — can stifle innovative application development; even when agile methodologies are used.

So how should companies address these issues? How do they measure the value and risk of a dynamically evolving system? How do they manage software investments and foster collaboration between a complex array of partners and suppliers?
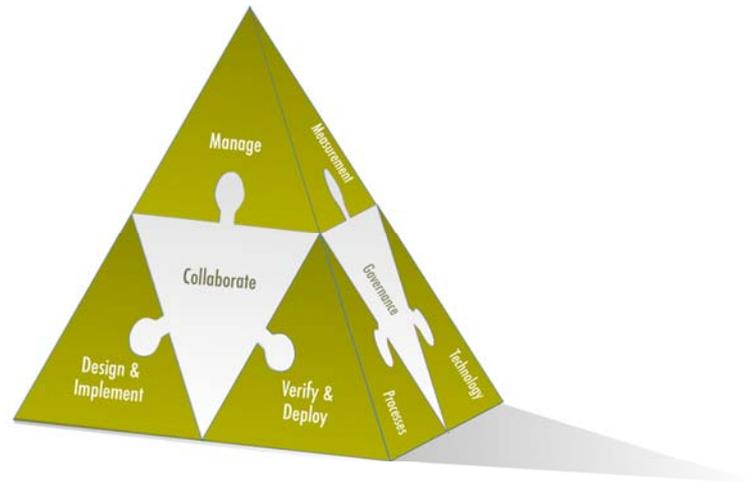
Effective software delivery and processes can help your organization address these challenges and achieve a sustainable competitive advantage. A software supply chain (SSC) coordinates the flow of people, processes and information in an iterative cycle of software delivery activities. This coordination is made possible by applying business management capabilities to the lifecycle of application development.

What is SSC?

In short, effective SSC can help your company address your current business requirements, enhance productivity with automation and accelerate decision-making. The key word here is "effective." SSC is not a one-size-fits-all type of solution; instead, to be effective, SSC should be implemented in a way that best suits your development environment and your company's business goals.

We work with five imperatives for effective SSC:

- Maximize product value with *in-context collaboration.*
- Accelerate time to delivery with *real-time planning.*
- Improve quality with *lifecycle traceability.*
- Refine predictability with *development intelligence.*
- Reduce costs by practicing *continuous improvement.*

Our Software Supply Chain is focusing on:

- Implementing agile end-2-end software development processes.
- Equipping IT with the right technology necessary for IT to do their job effectively.
- Mapping IT goals and activities to corporate planning.
- Matching the complication of technology to both IT and business skills and needs.
- Facilitating communication among IT staff and with the business.

Delivering:

- ✓ Value-in-use IT assets
- ✓ Agile & Iteratively
- ✓ High quality assets

Our adoption approach:

Organizations must not just embed innovation in their products and services, but make it the "DNA" of the enterprise to make all functions and teams as agile as possible. IT needs to lead the innovation agenda, but approach it holistically. Innovation needs to be pervasive so that it spans IT, business, customer experience especially, and process innovation for differentiation.

Persistent adaptability pressures will compel IT to rationalize application portfolios, simplify with fewer data centres, platforms and applications. Rationalization and simplification allow IT to get rid of complexities, replication and technology silos.

Software Process Improvement empowered with execution is essential for the success of enterprise initiatives. Methodologies that capture best practices and enable adaptation are indispensable.

Center of Excellence (CoE) will become the key enabler of SSC methodologies. The CoE uses an adaptive methodology that identifies a best-choice opportunity for software process improvement. Starting with "slivers" of improvement, the CoE gradually builds iterations that ultimately incorporate continuous improvement.

Our SSC services covers:

- Adoption strategy
- IT Maturity and Readiness
- Transformation program
- Implementation

THE FUTURE STARTS TODAY