

Accelerate Collaboration and Innovation with Value Stream Mapping

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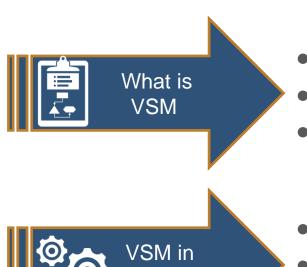
About Me



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Agenda





- **Mapping The Flow Of Value**
- **VSM As An Organizational & Cultural Capability**



- **Understanding Waste** *versus* **Value**
- **VSM Common Challenges & Resistance**
- **Value Stream Mapping In Practice**



- **Cultural & Behavioral Transformation**
- **Business & Organizational Outcomes**
- **Key Success Factors**



Key Takeaways



Why and How To Factor The Human & Cultural Side in VSM



How To Prepare & Run a Successful VSM



How To Develop a Collaborative Prioritized Transformation Backlog





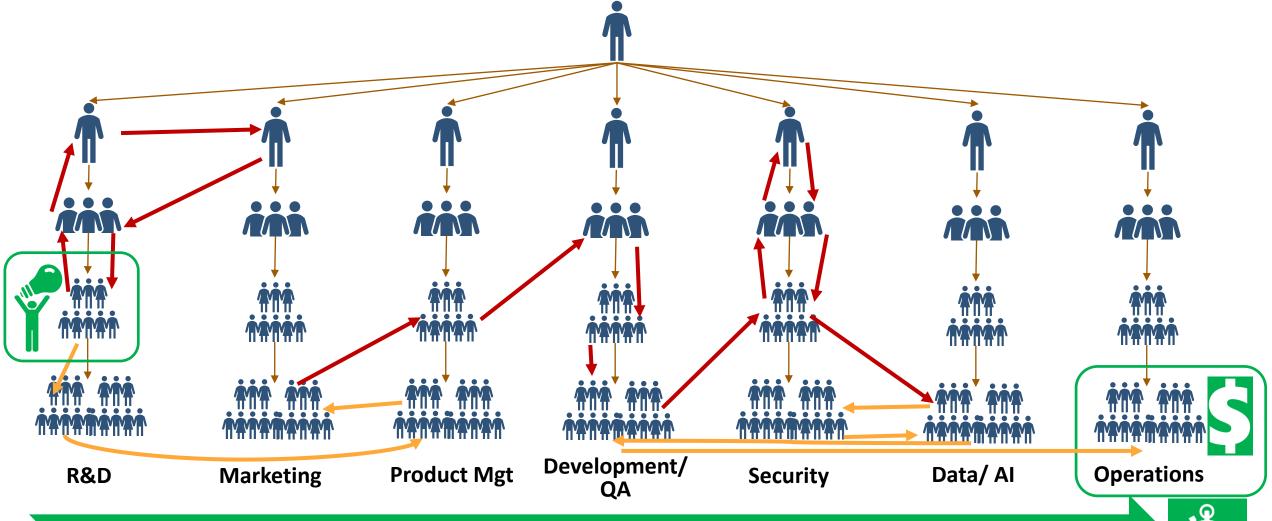
Defining Value Stream Mapping

"Value Stream Mapping is a practice that consists of mapping, analyzing and measuring all step by step activities involved in delivering value to the end users, with the purpose of reducing or removing waste."

"The outputs of Value Stream Mapping are maps showing the current state, the future state, a transformational improvement backlog and a plan for delivering it."



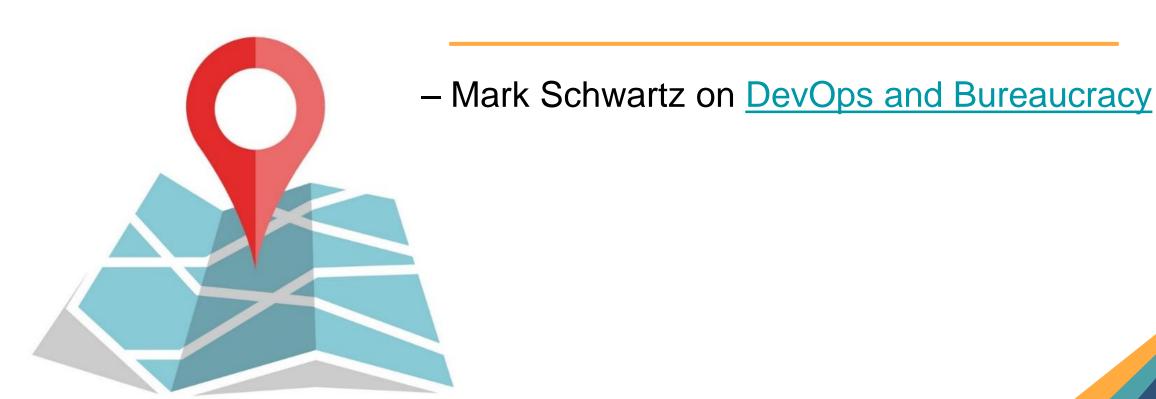
Mapping The Flow of Value







"Doing DevOps is not difficult, but to really get the full power of it, you need to make changes in how you structure your organization, how you make the work flow through your organization."





"The Most Valuable DevOps Tool is Value Stream Mapping"

- Shaaron A Alvares

Value Stream Map – Sample



Cross-Functional Communication, Collaboration & Cooperation



VSM As An Organizational & Cultural Capability





Understanding Waste versus Value



- Defects & Rework
- Delays, Wait Time, Bottlenecks
- Over-production: backlog waste
- Over-processing: recreating the wheel
- Transportation: silos, gates, handoffs
- Unnecessary motions: task switching
- Inventory: Too much WIP
- Non-utilized talent
- Management activities (Status)
- Manual activities
- Etc.



- Market Research
- Concept development
- Spike/ Prototype
- Backlog/ Features
- Planning
- Build
- Deploy
- Etc.



Common VSM Challenges & Resistance



ORGANIZATIONAL

- Hierarchy
- New investments
- New processes and tools
- Business constraints
- New tools integration
- Automation
- Teams' reorgs
- Vendors Mgt



CULTURAL

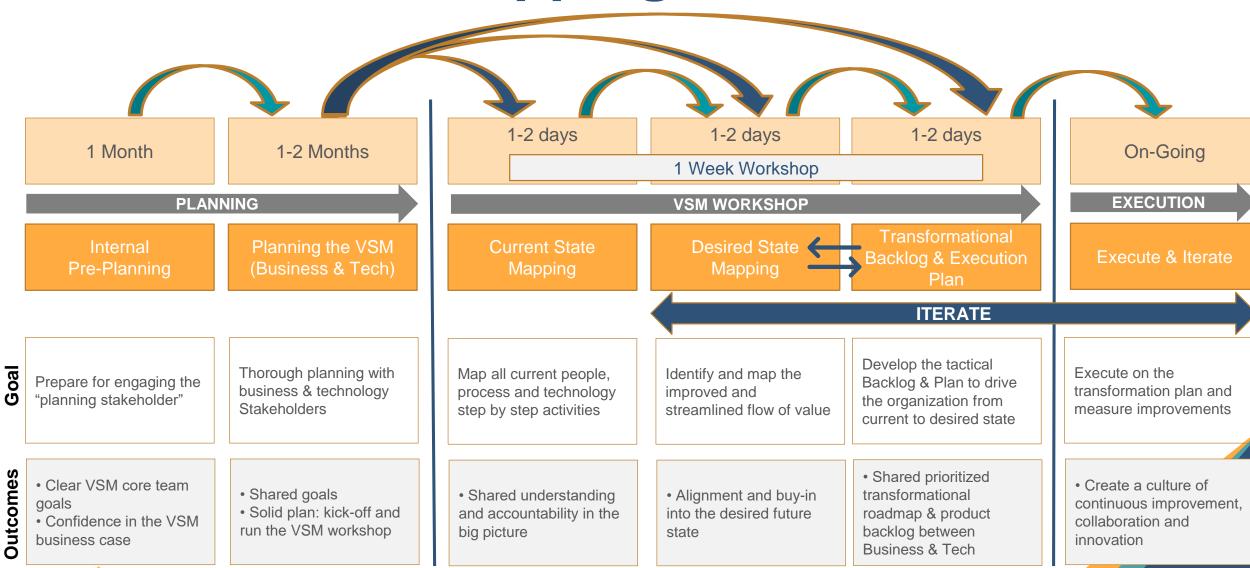
- New ways of thinking
- Business & Tech close collaboration
- Knowledge & upskilling
- Leadership alignment & engagement
- Automation



LARGE SCALE

- Facilitation & coordination
- Buy-In
- Alignment
- Participation
- Momentum
- Complex challenges

Value Stream Mapping In Practice





Planning Phases

Activities/ behaviors

- Recruit your core team of champions
- Recruit & educate your key "Sponsors"
- Onboard for strong buy-in
- VSM assessment: business case
- Assess the VSM risks: availabilities, vendor, readiness, etc.
- Prepare the VSM training Content

Participants

- Core team of champions
- A technology manager champion
- A business stakeholder champion

Outputs

- WHY: Business case for VSM
- Draft Goals & purpose
- Expected business benefits
- Expected Organizational benefits
- Draft risk log (ex.: change in mindset)
- Training strategy
- Draft business & technology/ delivery metrics



- Develop VSM shared purpose & goals
- Meet & train Leaders
- Identify & train all participants & remote
- Develop logistics
- Recruit & train core VSM change agents & facilitators
- Run light weight simulations
- Socialize the VSM mindset: Videos, Brownbag, Slack, Ask Me Anything, etc.



- Planning: core team
- Onboarding/training activities: All participants identified:
 - Program managers
 - Business stakeholders (PM/PO)
 - Leaders & Software Dev Managers
 - Architects
 - DevOps teams, QA, Security, DBA



- Purpose & goals
- Business case for VSM
- Key flow metrics
- Working agreement
- Training content for leaders & teams
- Socialize and foster a culture of VSM & open space collaboration
- Business and technology metrics
- VSM logistics complete
- VSM workshop agenda vetted
- Team of facilitators/ coaches ready

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Sample Training Plan

- What is VS-Mgt
- What is VS-Mapping
- VSM ROI
- Lean VSM terminology
- Various scale VSM samples
- VSM applied to DevOps
- Case studies
- Real life examples
- Type of waste
- Flow metrics
- VSM integration tools
- Etc.

Outputs

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Current & Desired Phases

Activities/ behaviors

- Map the current state of value flow
- · Identify all activities and steps:
 - People/ Role
- Step by Step Activities
- Wait Time
- Handoffs
- Artifacts produced
- CICD pipeline
- Tools Integration & Flow
- Status reports

action items, etc.

Participants

- Participants identified
- Core VSM team: managers, experienced coaches and facilitators

Outputs

- Current state of value flow mapped
- Notes and data captured
- Readout summary, action items and and next steps
- Lessons learned



Analyze areas of waste and opportunities:

bottlenecks, handoffs, silos, queues, delays,

unused tools, wasted backlog, manual

development, rework, durations, etc.Capture data: Issues, parking lot items,



- Participants identified
- Core VSM team: managers, experienced coaches and facilitators



- Improved and streamlined desired state map
- Improved culture of collaboration

Transformational Plan & Execution

Activities/ behaviors

- Create a collaborative cross functional prioritized backlog
- Create the implementation roadmap and execution plan
- Identify the VSM ownership and accountability plan
- Roles & responsibilities
- Create a VSM Dojo / Coaches: learning momentum & capability

Participants

- Participants identified
- Core VSM team: managers, experienced coaches and facilitators

Outputs

- Lessons learned
- Readout/ report for leaders sponsors
- from the exercise showing the current state, future and results of the captured data





- Automate
- Monitor & measure improvement progress
- Communicate on flow metrics improvements
- Bake VSM efforts in everyday work
- Socialize and make the VSM Visible (Brownbag)
- Retrospect & Lessons Learned VSM Dojo



- Participants identified
- Core VSM team: managers, experienced coaches and facilitators



- Culture of VSM and collaboration
- Streamlined processes
- Improved Org structure
- Increased innovation

Innovation: Cultural & Behavioral Change

Moving From	ı	To New Ways of Thinking & Working	New Behaviors
Fear of mistakes and blame		Acknowledging gaps and process opportunities	Transparency & vulnerabilityCourage & HonestyEveryone fosters safety
Culture and org fit		Challenge the status quo & current cultural thinking patterns	Challenge the cultureChallenge org structureChallenge leadership
Silos: what's best for me and my team		Big picture: Cross-Organizational collaboration	 Business & Technology collaboration & cooperation Cross-teams collaboration: reduce handoffs Leadership collaboration and alignment
Culture of hierarchy & followers		Everyone's a Leader	Team empowermentLead without a titleDevelop creative leaders and problem-solvers
Org divides and individual business goals		Shared Purpose and Outcomes	 People come together to win as a team Teams influence org structure & development Improved engagement and culture
SMEs, Role and growth boundaries		Upskilling & cross-pollination	Sharing knowledge and learning together Include all functions and all voices



Business and Organizational Outcomes



Business & Technology

- Shared Business prioritized improvement backlog
- Informs thoughtful technology investments
- More time & resources for business ideas & innovation
- Prioritized automation & integrated tools roadmap
- Reduced Time to Market & ROI



Org & Culture

- Breakdown cross-functional silos
- Greater engagement across all levels of the organization
- Connected enterprise & people



Workforce

- DevOps teams productivity increase
- Teams empowerment and engagement
- Upskilling trough knowledge sharing & cross-pollination
- Automation as a practice & org capability

Key Success Factors

- Understand the foundation of VSM: It is a cultural, human & organizational endeavor
- Don't underestimate training and educating all Stakeholders on Waste & Behavioral Change
- > Robust Pre-Planning & Planning to make it a great experience
- Conscious agreement between Business & Technology on slowing down before speeding up
- Keep system thinking in mind and optimize with the big picture in mind
- Align measures on business strategy
- Continuously measure and report on process flow and automation improvements: Tell the story
- > Create a VSM Dojo to drive the capability and the culture at enterprise level
- Inclusive: Everyone Plays a Role: Business, Teams & Leadership



THANK YOU!

Meet me in the Network Chat Lounge for questions

