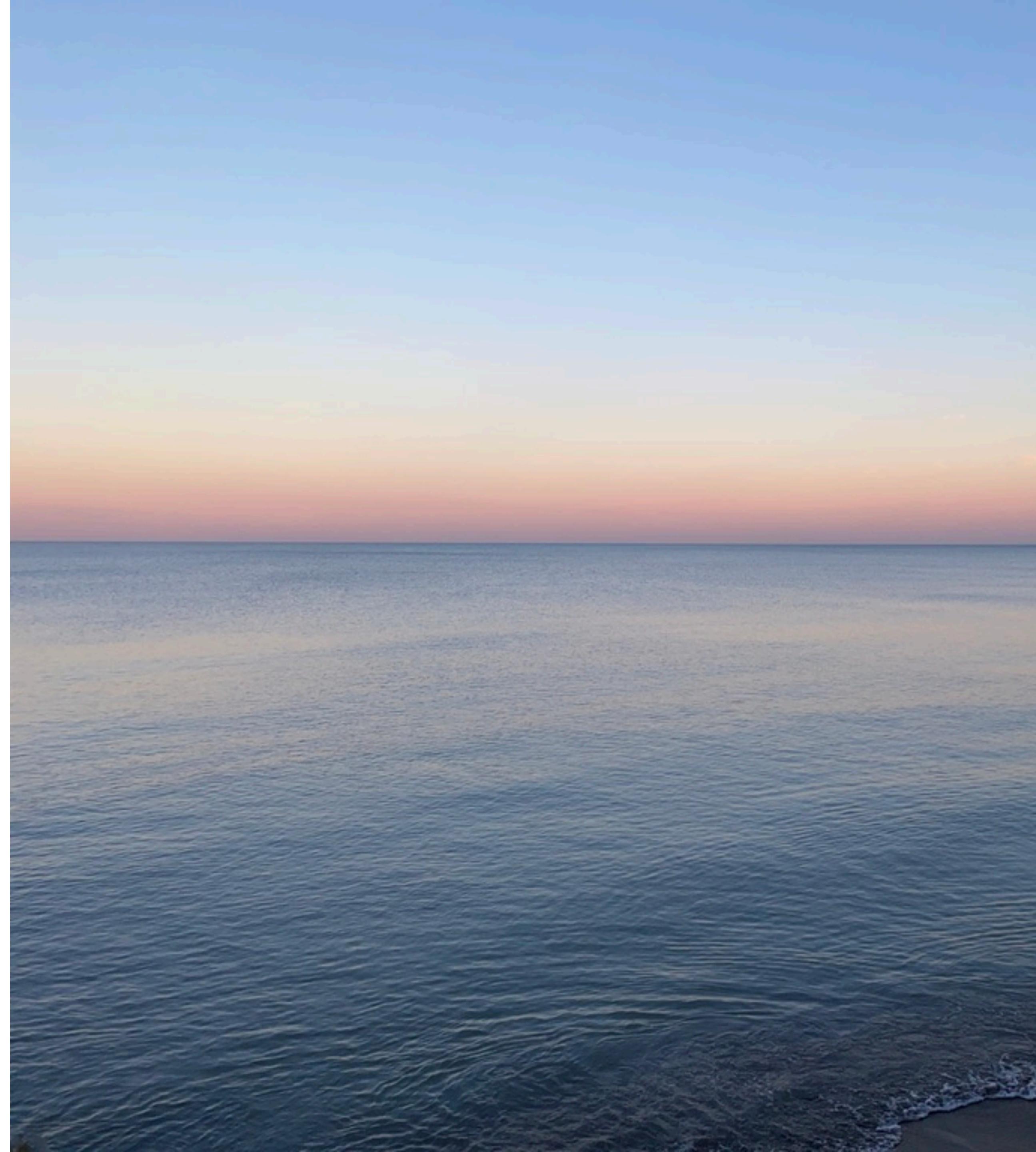


Wardley Doctrine Patterns

Germán Flores 2021-02-12

Agenda

- * Doctrine patterns
- * Team growth initiative
 - * Facilitation and blockers



Wardley Doctrine Patterns

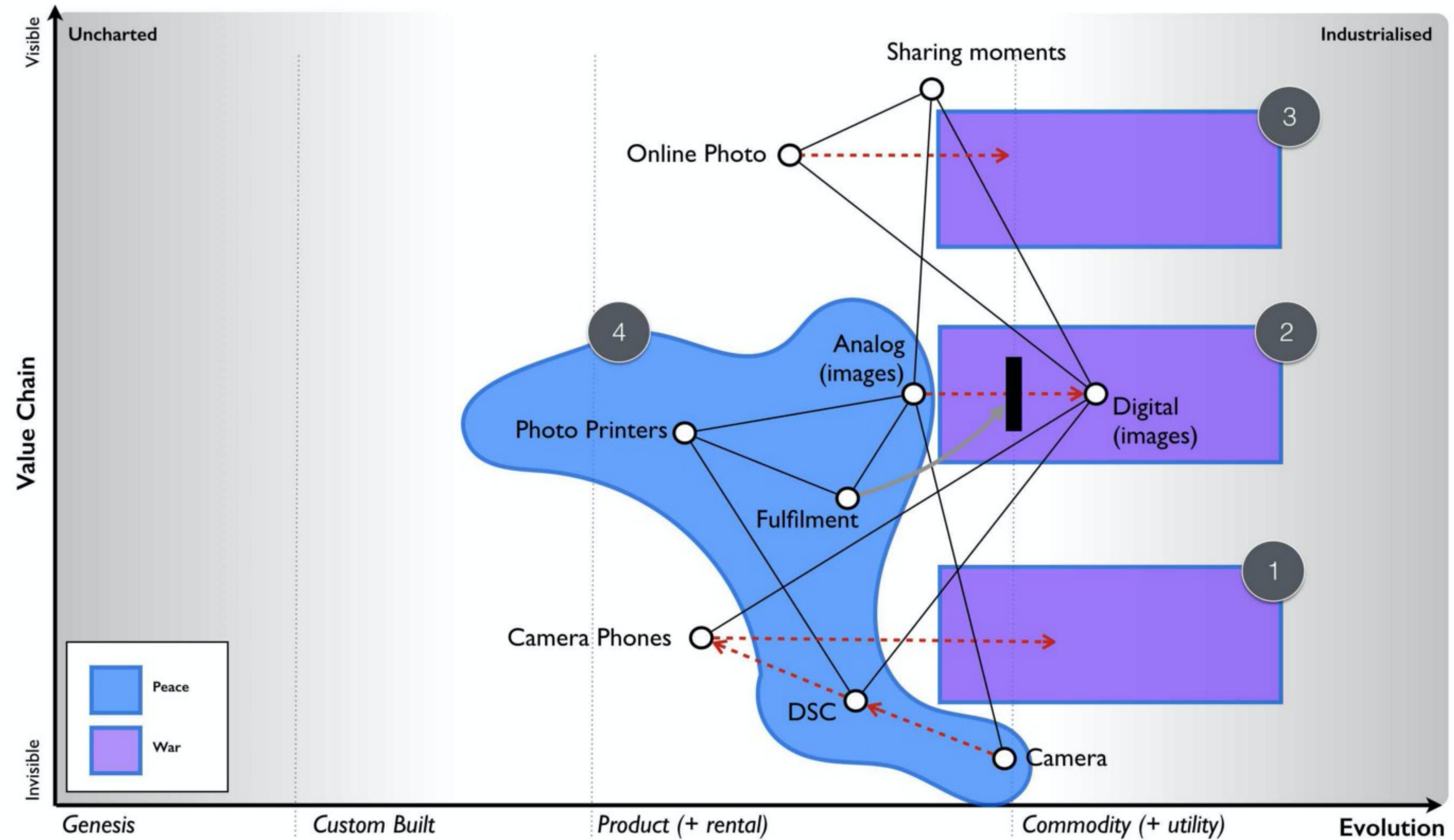
“Crossing the river by feeling the stones.”

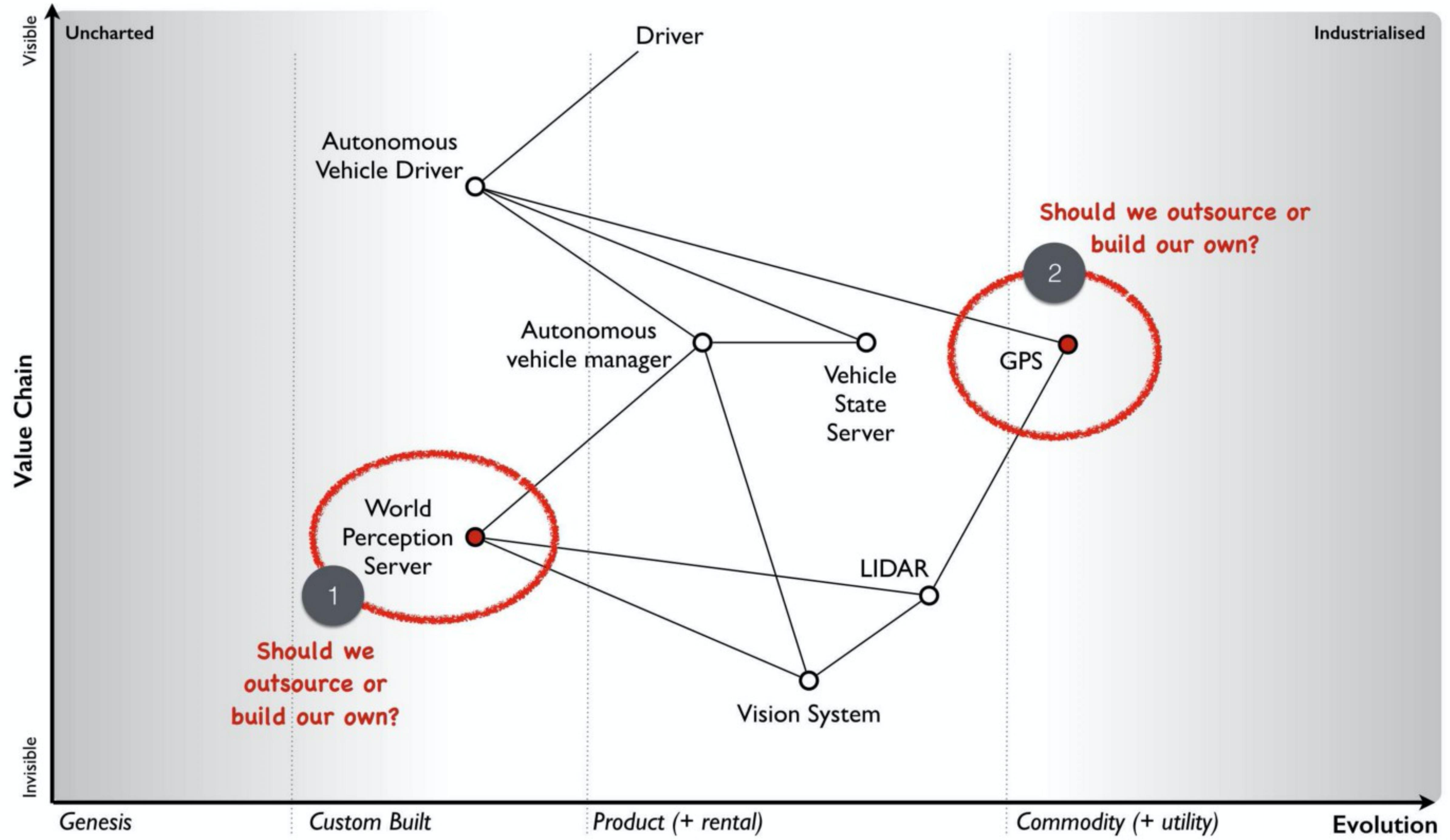
Deng Xiaoping

Doctrine Patterns

- Doctrine patterns come from Wardley Mapping by Simon Wardley
- A planning tool







“The map is not the territory.”

Doctrine Patterns

- Doctrine, a list of universally useful **principles**.
- Patterns can be used as a checklist to **evaluate** an organization
- Each doctrine is a skill or habit, so the real goal is to **train** the organization to repeatedly use each skill.
- **Change management** instrument



TECH GIANT

Wardley's Doctrine (universally useful patterns that a user can apply regardless of context)

Communication	Be transparent (a bias towards open)	Focus on high situational awareness (<i>understand what is being considered</i>)	Use a common language (necessary for collaboration)	Challenge assumptions (speak up and question)
Development	Know your users (e.g. customers, shareholders, regulators, staff)	Focus on user needs	Think fast, inexpensive, restrained and elegant (FIRE, formerly FIST)	Remove bias and duplication
Operation	Use appropriate methods (e.g. agile vs lean vs six sigma)	Focus on the outcome not a contract (e.g. worth based development)	Be pragmatic (it doesn't matter if the cat is black or white as long as it catches mice)	Use standards where appropriate
Structure	Use appropriate tools (e.g. mapping, financial models)	Optimise flow (remove bottlenecks)	Think small (as in know the details)	Effectiveness over efficiency
Learning	Manage inertia (e.g. existing practice, political capital, previous investment)	Set exceptional standards (great is just not good enough)	Manage failure	
Leading	Provide purpose, mastery & autonomy	Think small (as in teams, "two pizza")	Distribute power and decision making	Think aptitude and attitude
Good	Design for constant evolution	There is no one culture (e.g. pioneers, settlers and town planners)	Seek the best	
	Use a systematic mechanism of learning (a bias towards data)	A bias towards action (learn by playing the game)	A bias towards the new (be curious, take appropriate risks)	Listen to your ecosystems (acts as future sensing engines)
Neutral / unknown	Be the owner (take responsibility)	Move fast (an imperfect plan executed today is better than a perfect plan executed tomorrow)	Think big (inspire others, provide direction)	Strategy is iterative not linear (fast reactive cycles)
Weak	Strategy is complex (there will be uncertainty)	Commit to the direction, be adaptive along the path (crossing the river by feeling the stones)	There is no core (everything is transient)	Be humble (listen, be selfless, have fortitude)
Warning	Exploit the landscape			



Good



Neutral / unknown



Weak



Warning

BANKING GIANT

Wardley's Doctrine (universally useful patterns that a user can apply regardless of context)

Communication	Be transparent (a bias towards open)	Focus on high situational awareness (<i>understand what is being considered</i>)	Use a common language (necessary for collaboration)	Challenge assumptions (speak up and question)
	Know your users (e.g. customers, shareholders, regulators, staff)	Focus on user needs	Think fast, inexpensive, restrained and elegant (FIRE, formerly FIST)	Remove bias and duplication
Development	Use appropriate methods (e.g. agile vs lean vs six sigma)	Focus on the outcome not a contract (e.g. worth based development)	Be pragmatic (it doesn't matter if the cat is black or white as long as it catches mice)	Use standards where appropriate
	Use appropriate tools (e.g. mapping, financial models)			
Operation	Manage inertia (e.g. existing practice, political capital, previous investment)	Optimise flow (remove bottlenecks)	Think small (as in know the details)	Effectiveness over efficiency
	Do better with less (continual improvement)	Set exceptional standards (great is just not good enough)	Manage failure	
Structure	Provide purpose, mastery & autonomy	Think small (as in teams, "two pizza")	Distribute power and decision making	Think aptitude and attitude
	Design for constant evolution	There is no one culture (e.g. pioneers, settlers and town planners)	Seek the best	
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Leading	Be the owner (take responsibility)	Move fast (an imperfect plan executed today is better than a perfect plan executed tomorrow)	Think big (inspire others, provide direction)	Strategy is iterative not linear (fast reactive cycles)
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	Exploit the landscape			



Good



Neutral / unknown



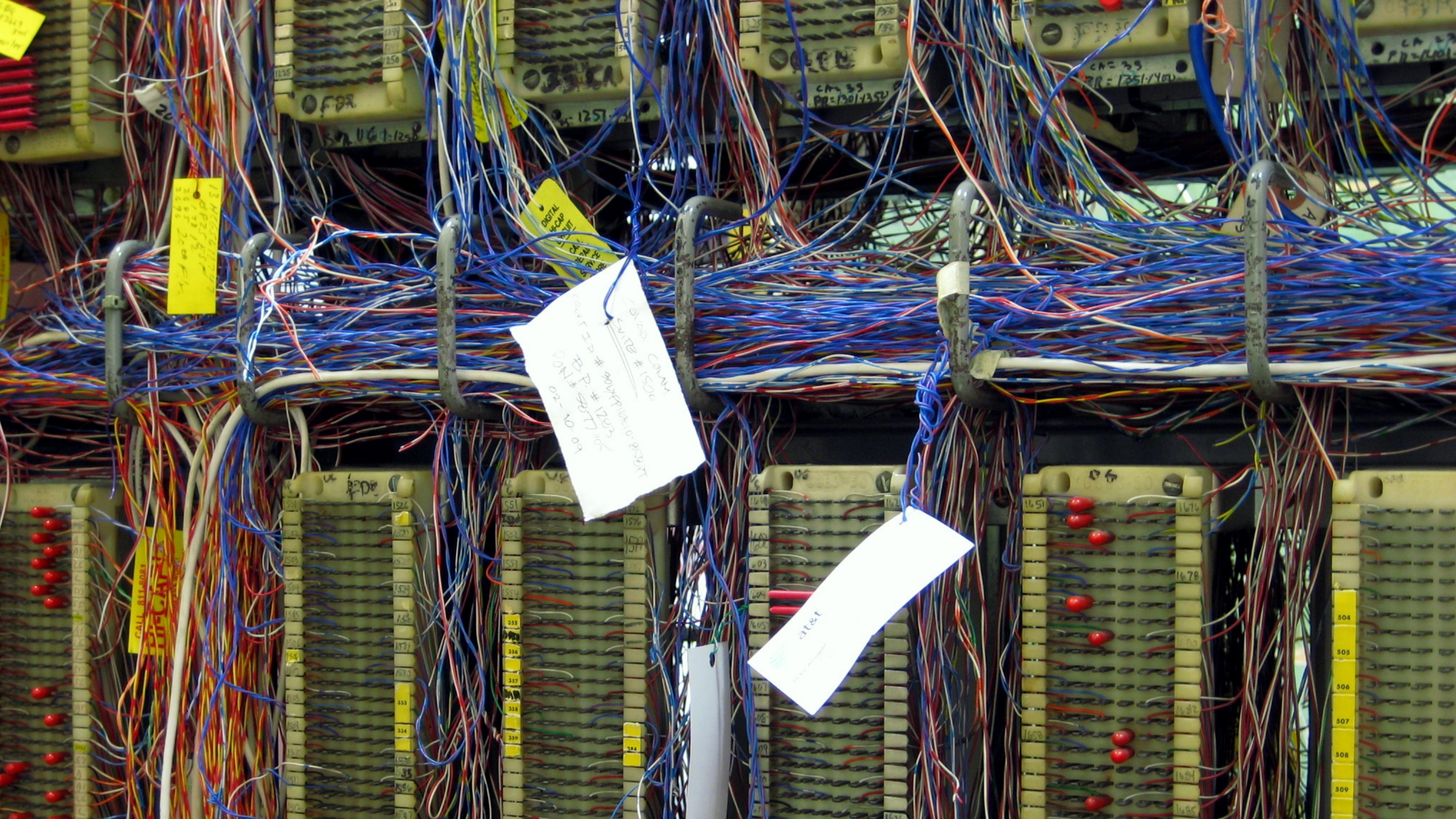
Weak



Warning

	Wardley's Doctrine (universally useful patterns that a user can apply regardless of context)					
	Communication	Development	Operation	Learning	Leading	Structure
IV				Listen to your ecosystem	Exploit the landscape	Design for constant evolution
					There is no core	No single culture
III		Optimise flow			Commit to the direction	Provide purpose, mastery & autonomy
		Do better with less	<i>Bias towards the new</i>		Be the owner	
		Set exceptional standards			Inspire others	
II	Focus on the outcome				Embrace uncertainty	Seek the best
	Think fast, inexpensive, restrained and elegant	Manage inertia			Be humble	
	Use appropriate tools		Manage failure		Move fast	Think small teams
	Be pragmatic			<i>Bias towards action</i>		Distribute power and decision making
	Use standards		Effectiveness over efficiency		Strategy is iterative	Think aptitude and attitude
Phase I	A bias towards open					
	Common Language	Know your users				
	Challenge Assumptions	Focus on user needs				
	Understand what is being considered	Remove bias and duplication	Know the details	Bias towards data		*STEVE PURKIS VARIATION
		Use appropriate methods				

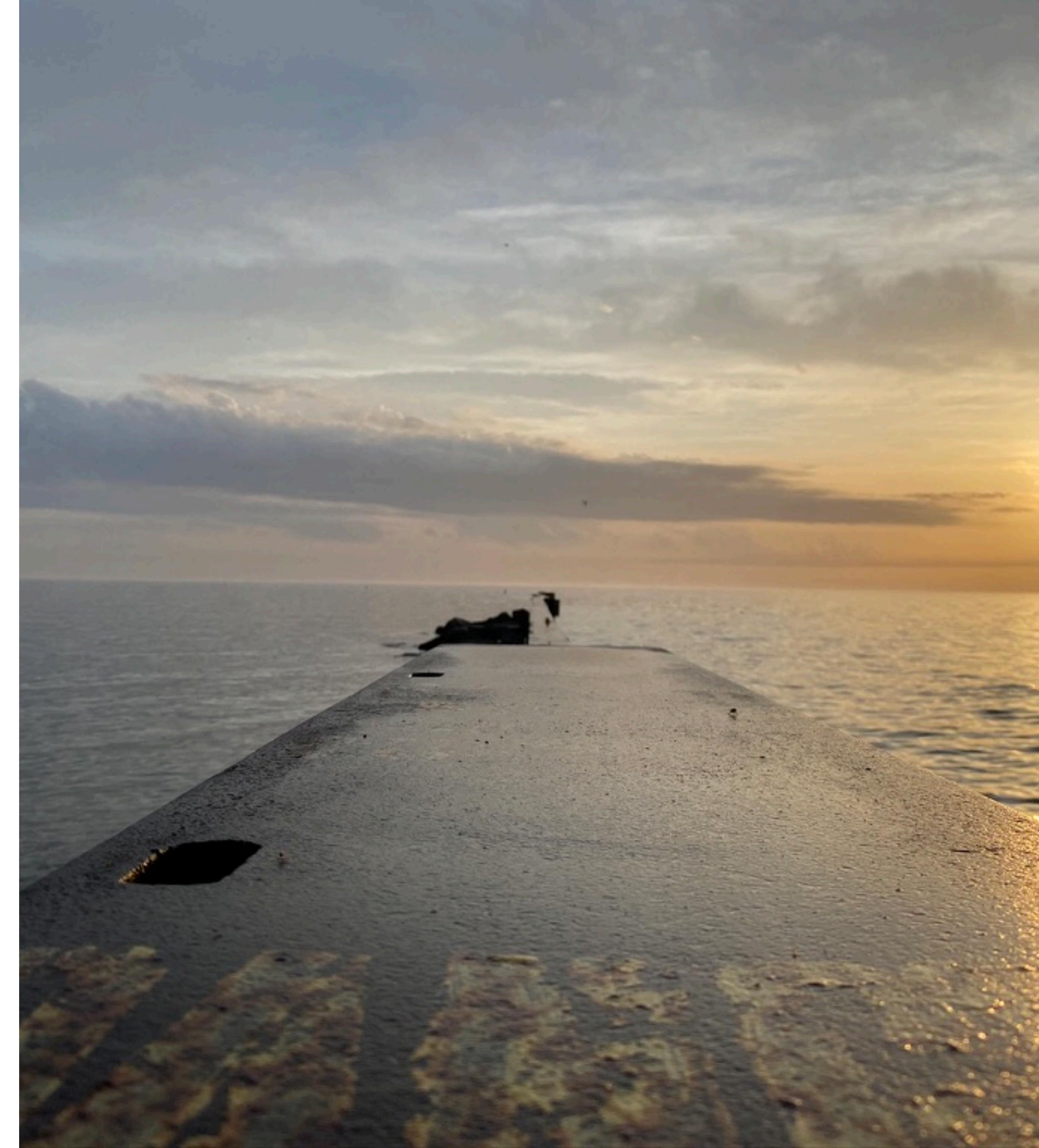
Team Growth Initiative

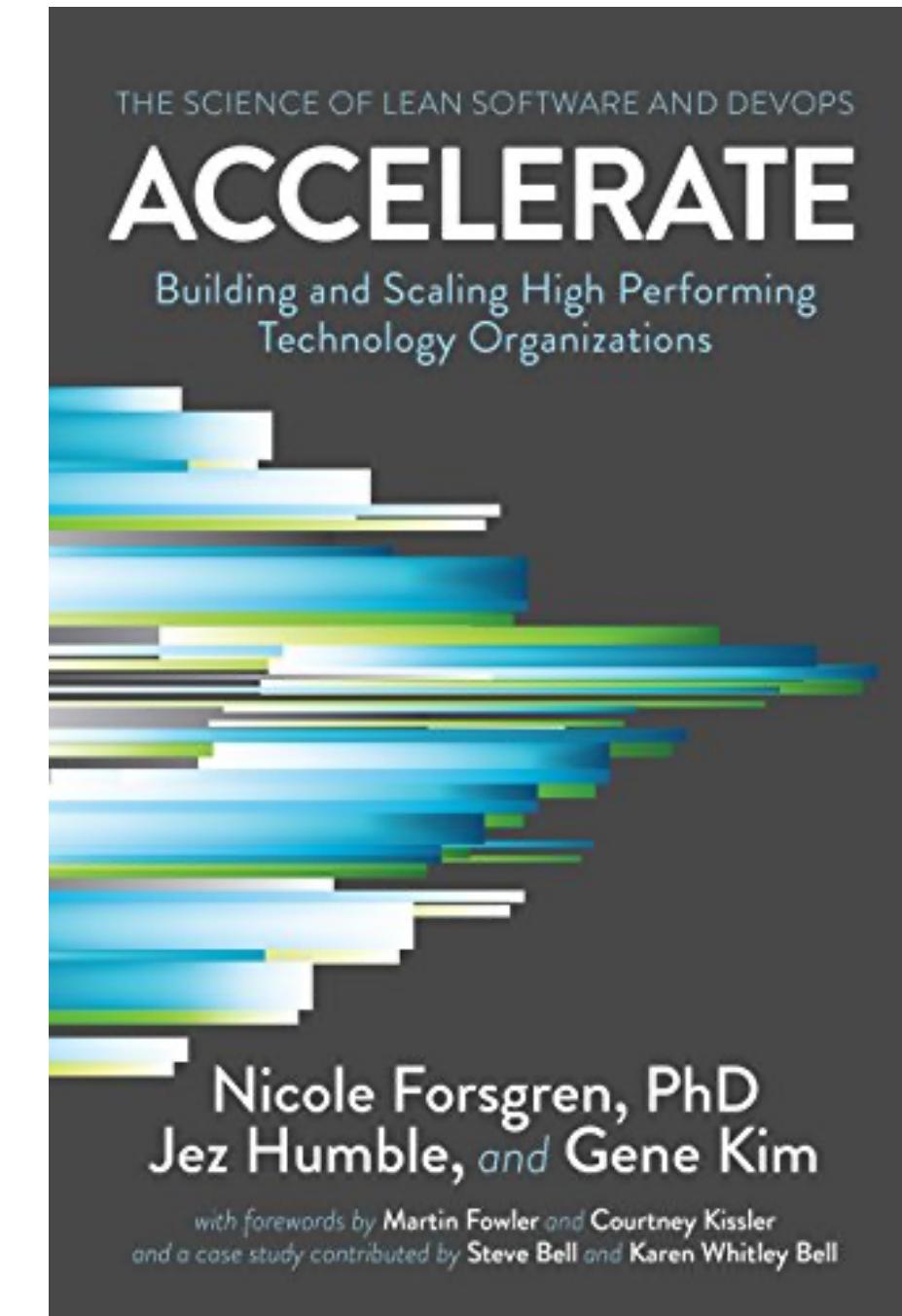
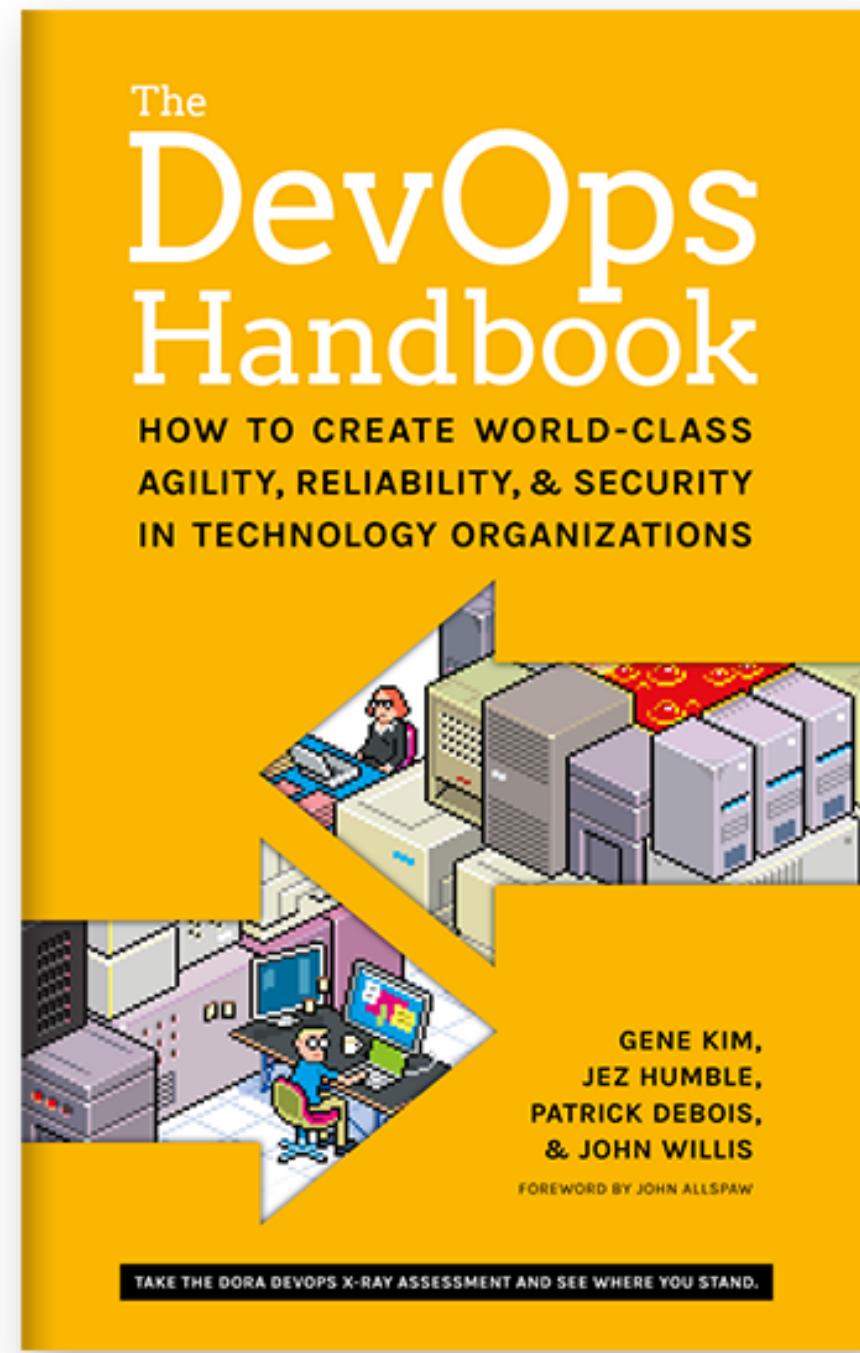
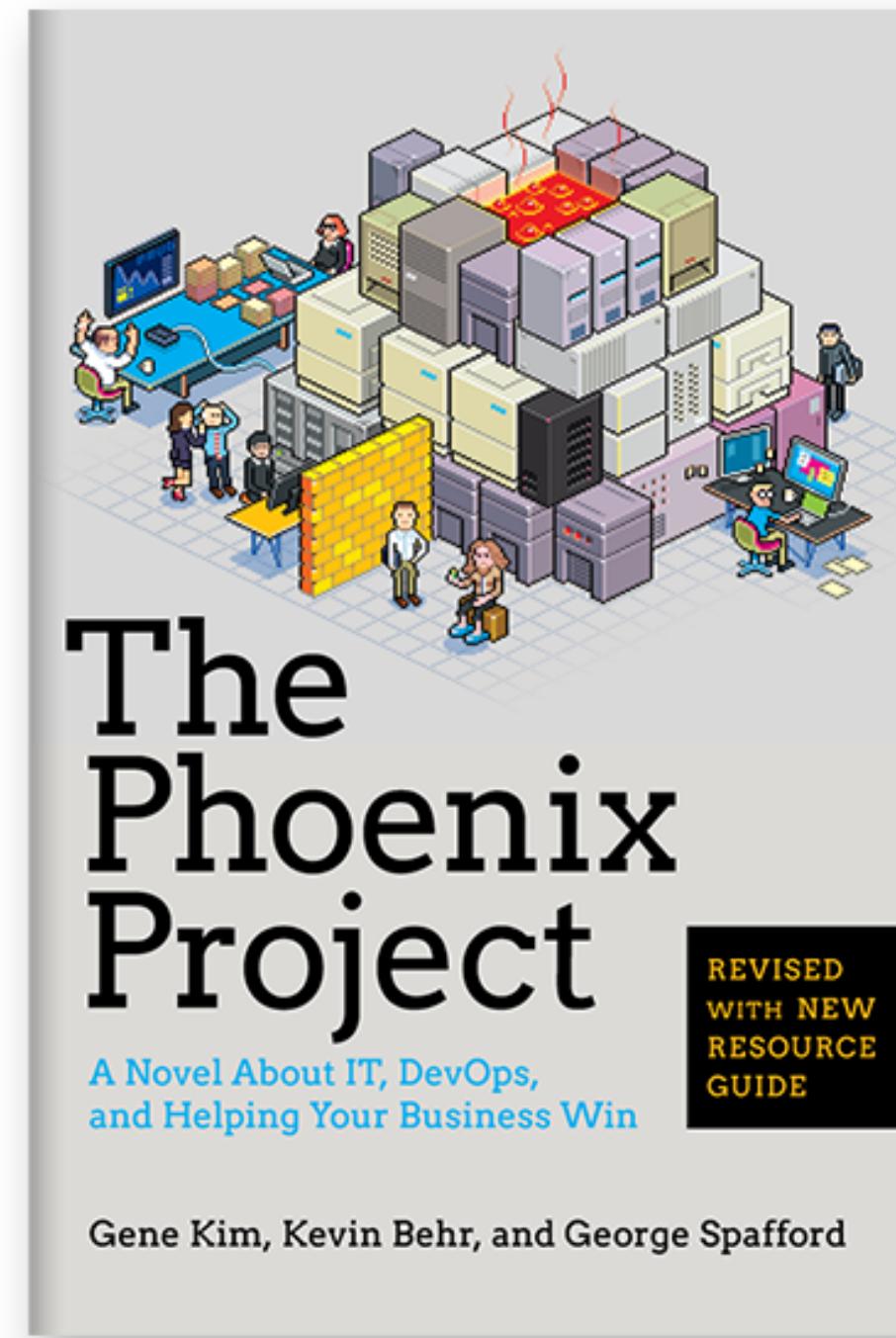




Background

- Clarity over the **problem** we are trying to solve.
- **Concerted** approach to facilitate **growth** in our team.
- Set of activities and **metrics** to enable and facilitate growth.





Measures

- Lead time (LT)
 - Story to Production and work start to deployment
- Deployment rate (DR)
 - How frequently we deploy
- Deployment failure rate (FR)
- Time to repair (MTTR)



Technical Competence	Communication	Product	Culture	Systems/Capabilities	Process	Curiosity	Ownership	Managers
Technical Leadership from Management	SCQA's (situation, complication, questions, answers)	Technical competence from platform Product Owners	Open communication from technology management	Average of 7 deploys per week	Project management	Articles about new technologies are shared	Technical debt payments	Phase 0 (current)
Test coverage in code is encouraged	Incident Management			Lead time is between 1week and 1 month	Incident Management		Swarming to solve problems	
Automated testing in parts of platform	A3's				Emerging			
Change failure rate is x-y%					Scrum			
Leadership from Tech Leads					Scope negotiation			
Everyone in the technology department has read the DevOps Handbook. Reading the book is managed via a goal	Technical Diagrams	Align priority to goals and targets	Management promotes organizational learning	We understand rate of system failures and bugs per team	We use velocity to forecast capacity and release completion	New ideas and ways of working are shared	Developers are adding stories to the backlog to improve the system	Phase I
Technical Leads start to work on aligning their current skills in relation to the developer competencies matrix	Communication happens in open channels	Organize release candidate list and ranking with management	Focus on quality, protect teams to ensure quality	Lead time is between 1-20 days (request to deploy)	Release process is understood by management, product, and technology			
Technical Leads understand how to use a competency matrix based on experience and coaching from their managers		A platform roadmap exists		We have maximized efficiencies in the old platform (to make it least costly to make changes)				
Use Incidents to drive change and improvements	Challenge assumptions	Product department has read the Accelerate book. The book reading is managed via a goal.		Focus on building capability not maturity or competence	Provide teams with slack for improvement and innovation	New technologies are introduced, evaluated, and adopted	Escalate cross-functional and systemic problems	Actively monitor and visualize performance to goals/targets
Developer competencies are rolled-out to the department	Documentation is consistently maintained	Focus on quality, protect teams to ensure quality		Average 15 deploys per week, from \trunk based development, new platform, test automation	Optimize flow (look for bottlenecks)	Coach team members and support team learning		Coach managers, have your own coach
Technical Leads can introduce the developer competency matrix to their direct reports and effectively work on growing them		Break demand into small elements (MVP's) and release regularly and often		Lead time is between 1-14 days (request to deploy)	Release process is consistently leveraged to deliver			Leverage the developer competency matrix to grow people
Technical skills gap in the department is understood								Do performance management
As a department we are consistently using the developer competency matrix to grow people and manage individual performance	Default to open communications	Encourage teams with time for improvement and innovation	A bias towards open		We understand our lead time (request to deployed)	New ideas are shared	Eliminate unnecessary controls, invest instead in process quality and team autonomy and capability	Phase III
Apply disciplined problem solving to complex systemic issues to identify strategic improvement themes and targets (strategy deployment), apply learning to update standard work			Best ideas win		Budget for and allocate time for creativity	New ways of working are introduced		
Technical Leads are viewed as leaders and can work across the organization to move an idea to a shipped state			Developers continuously try to improve the approach to software development and deployment			Willingness to experiment with new ways of thinking and working		
Design for constant evolution				Deploys on demand	We have a process to get work done and everybody understands it	Bias towards the new		Phase IV

	Technical Competence	Communication	Product	Culture	Systems/Capabilities	Process	Curiosity	Ownership	Managers
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	Automated testing in parts of platform	A3's				Emerging			
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	Technical Competence	Communication	Product	Culture	Systems/Capabilities	Process	Curiosity	Ownership	Managers
Phase I	Everyone in the technology department has read the DevOps Handbook. Reading the book is managed via a goal	Technical Diagrams	Align priority to goals and targets	Management promotes organizational learning	We understand rate of system failures and bugs per team	We use velocity to forecast capacity and release completion	New ideas and ways of working are shared	Developers are adding stories to the backlog to improve the system	
	Technical Leads start to work on aligning their current skills in relation to the developer competencies matrix	Communication happens in open channels	Organize release candidate list and ranking with management	Focus on quality, protect teams to ensure quality	Lead time is between 1-20 days (request to deploy)	Release process is understood by management, product, and technology			Developer competency matrix exists, managers understand it
	Technical Leads understand how to use a competency matrix based on experience and coaching from their managers		A platform roadmap exists		We have maximized efficiencies in the old platform (to make it least costly to make changes)				

	Technical Competence	Communication	Product	Culture	Systems/Capabilities	Process	Curiosity	Ownership	Managers
Phase II	Use Incidents to drive change and improvements	Challenge assumptions	Product department has read the Accelerate book. The book reading is managed via a goal.		Focus on building capability not maturity or competence	Provide teams with slack for improvement and innovation	New technologies are introduced, evaluated, and adopted	Escalate cross-functional and systemic problems	Actively monitor and visualize performance to goals/targets
	Developer competencies are rolled-out to the department	Documentation is consistently maintained	Focus on quality, protect teams to ensure quality		Average 15 deploys per week, from \trunk based development, new platform, test automation	Optimize flow (look for bottlenecks)	Coach team members and support team learning		Coach managers, have your own coach
	Technical Leads can introduce the developer competency matrix to their direct reports and effectively work on growing them		Break demand into small elements (MVP's) and release regularly and often		Lead time is between 1-14 days (request to deploy)	Release process is consistently leveraged to deliver			Leverage the developer competency matrix to grow people
	Technical skills gap in the department is understood								Do performance management

Facilitation & Blockers

Conditions

- Leadership onboard
- Managers onboard
- Make it measurable



Facilitation

- Align
 - Top > Down
 - Down > Up
- Teach
- Enable them to own it
- Go/No-Go or not yet



**Questions,
your opinions and experiences.**

Resources & Credits

- * <https://medium.com/wardleymaps/on-being-lost-2ef5f05eb1ec>
- * https://wardleypedia.org/mediawiki/index.php/Doctrine_Patterns
- * <http://doctrine.wardleymaps.com>
- * <https://list.wardleymaps.com>
- * https://justin.stach.uk/doctrine_grid_tool/
- * <https://twitter.com/spurkis/status/1187730682589659136/photo/1>
- * <https://itrevolution.com/devops-books/>
- * <https://swardley.medium.com/what-culture-is-right-for-you-ba892f1f3bc5>
- * https://miro.medium.com/max/2000/1*eKRNJKYmO2gMim6QIW2dEQ.jpeg
- * <https://flic.kr/p/4rUkRs>
- * <https://flic.kr/p/6fNxm3>
- * <https://twitter.com/swardley/status/1357636351521357826/photo/1>

Wardley Doctrine Patterns