Role	How many years have you spent in your role?	Number of employees of your team	Number of employees of your organization	Organization's domain(s)	System Developed	When was the application first created? (Year)	When did your company decide to migrate to microservices? (Year)	How large is the application (number of microservices)?	How many major releases it has?	**Why did your company decide to migrate?** Answers	CODING	MOTIVATING	CHARACTERISTICS (possibly derived from SECOND row)	METRICS_BEFORE	METRICS_AFTER	Scalability,Performance DROPPING time between request and receiving the correspond ng response?	Scalability,Performance ATTENTION % (The percentage of time the CPU is not	Scalability,Performance SMALL DATA (The number of CPU interactions to process a request)	Scalability,Performance IMPACT OF SMALL DATA (The time a request spends in a waiting queue before it get	Scalability,Performance USAGE OF FUNCTIONALITIES (The usage of containers in microservice architecture,	Scalability,Performance CHANGE IN NUMBER OF FEATURES (How many features are added, removed, or modified in each release)	Scalability,Performance NUMBER OF SECOND (Also referred as throughput or average response time)	Availability DOWN Time	Availability MEAN TIME TO RECOVER (The mean time it takes to repair a failure and return back	Availability MEAN TIME TO FAILURE (The mean time till the	Maintenance EFFORT	Maintenance EFFORT	Process related benefits DEVELOPMENT SPEED	Process related benefits CONTINUOUS DELIVERY	Process related benefits SCALABILITY	Perceived DEVELOPMENT COST	Infrastructure Cost COST FOR SCALING DURATION	Infrastructure Cost COST FOR SCALING DATA	Which information/metrics were considered before and during migration? Which information/metrics do you consider useful?	Not_measured/Should had	CODING	Is there any measure that is not easy to collect?	CODING	How useful would you rate the discussion of the previous information before migration?	Would you like to have a support a resistant choice of migration?	Do you think the set of features we chose is the right one?	How easy it the set of factors and measures to collect and gain	Is there any measure that is not easy to collect?	Would you use this set of factors and measures in the future, in case of migration of other systems to microservice s? If not, please	Would you like to have a support a resistant choice of migration?	Do you think the set of features we chose is the right one?	How easy it the set of factors and measures to collect and gain	Is there any measure that is not easy to collect?	Would you use this set of factors and measures in the future, in case of migration of other systems to microservice s? If not, please
Manager & Developer	4	11	250	online browser games	online games	before 2005	2012	20-40	weekly	to shorten the maintenance of this code, to improve deployment, to organize the people better, split up people	maintenance, deployment strategy, team distribution,	maintainability	Maintainability, team_organization	unstability	unstability	very/a bit	more than enough	very/a bit	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
MTE (dafe)	s trained still people		10000	digital banking	banking		1980	2012	1000	> 1000	to shatter the backend from the frontend, separate the from backend	modularization	modularity	Maintainability			very/a bit	more than enough	very/a bit	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
Developer	3	3	3 k bil	ai, search	fish wathson		2016		70 80, 20 components		incomprecable modules, modular design	modularization	modularity	Maintainability, Performance_Efficiency, cost			just enough	absolutely not	little	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	just enough	just enough	just enough	just enough	absolutely not	absolutely not	little	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not
Manager	4	5 peers	30			1987 - 2002	2017	10-15	01	monthly	marginal cost of adding one feature (even a single developer) is prohibitive, need to be able to add a (weakly) bugs in production; need to refactor legacy without starting from scratch; need to scale	modularization	modularity, fault_tolerance, refactoring (maintenance), scalability	maintainability, fault_tolerance, maintainability, scalability			absolutely		little	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	absolutely not	more than enough	absolutely	very/a bit	very/a bit	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
Scientist Researcher	11	45	>100	translation, online, b2b,	Translation product, AI	2014	2017	1-10		roughly about 5-10	maintenance, to scale (people), were necessary with more people, needed for sub-development with more people, needed for sub-development	maintenance, scalability, large codebase, team organization,	maintainability, scalability, large_codebase	Maintainability, Performance_Efficiency			absolutely	just enough	just enough	absolutely not	little	very/a bit	just enough	absolutely not	just enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	more than enough	unknown		availability, data_management, maintainability,performance				0 yes	existing currently no projects, but some critical metrics missing	response time, meantime to recover, testability, complexity	response time, meantime to recover, testability, complexity		yes
Agile Coach (Independent)	5	9	1000+	telecommunication	consulting	2012		no approximation available, at the moment monolith	8	slow rot linear	autonomy of teams, autonomy of deployment, autonomy of responsibility, how to isolate	team_organization, deployability, how_to_decide		performance, complexity	performance, complexity	very/a bit	just enough	little	just enough	little	just enough	very/a bit	very/a bit	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	just enough	just enough	just enough	just enough	unknown	performance, complexity (interactions between microservices)	response_time, meantime_to_recover, testability, complexity			yes
Agile Coach	4	4	>250	banking	DWH, banking	2009	2017	10 - 20	biweekly		autonomy of teams, autonomy of deployment, autonomy of responsibility, how to isolate	team_organization, deployability, how_to_decide		performance, complexity	performance, complexity	very/a bit	just enough	just enough	little	absolutely	very/a bit	little	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	more than enough	more than enough	just enough	unknown	complexity of coupeldn	complexity	Very / A bit	yes	not so easy	
OS	10.3 d, developer 11	16	700	law, legal, hosting, b2b, b2c	law consultant	2016	2017	100	not yet released		agile, adopt, market demands, work in progress, cost	REALITY DEPLOYMENT, Deployment, how to isolate	agility, deployability, cost			very/a bit	more than enough	more than enough	very/a bit	absolutely	very/a bit	little	very/a bit	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	more than enough	more than enough	unknown		availabe, dev_ops_infrastructure, velocity, deployment, cost				0 yes		technically, easy			
Manager	4	11	>100	e-commerce, logistics	e-commerce, logistics	2013	2013		7	> 20	performance issues, maintainability purposes, team organization, fault tolerance/downtime issues	performance, maintenance, team organization, fault tolerance		cost,	cost, scalability	more than enough	little	little	very/a bit	more than enough	more than enough	very/a bit	very/a bit	absolutely	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	more than enough	more than enough	more than enough	just enough	just enough	roadmap (planning features), feature importance in terms of user useful, data safe/visibility		performance, maintainability, team_independent, bugs				Very / A bit	yes		Daily easy, set of tools provide metrics easy of use	would say that process related benefits are harder to measure			yes
Analyst/Architecture	3	20		tel IT		2016	2017		30	2	cost, availability in the cloud	costs		cost, scalability			very/a bit	very/a bit	very/a bit	absolutely	little	more than enough	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	more than enough	very/a bit	very/a bit	more than enough	more than enough	number of microservices (estimated), number of requests from critical processes	scalability	data management, Access to database	continuous delivery, team dependency	continuous delivery, team dependency			Very / A bit	yes, to have a supporting argument to [way, with a exception to the process related architecture		continuous delivery, team dependency	yes, all
Developer	4	45	>1000		public services		2014	>1.000		we do not have this number, because systems are too old	because there were services doing the same thing, separation of concern	modularity, fault tore resolibility, refactoring	modularity, reusability			very/a bit	very/a bit	very/a bit	just enough	absolutely	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	just enough	just enough	just enough	just enough	we did not see a metric, we only verify parts of the systems that are duplicated, and we have migrated it to microservices		impact of programming language, testability, complexity, reusability				Very / A bit	yes, i do		depends on the metrics		impact of programming language, testability, complexity, reusability	yes, i could see it in the future
Developer and ADL	10	6	100	automotive	tel		2016	we use microservices from the start	5	we use microservices for their reusability and to try to keep things simple (single responsibility)	modularity, modularization, deployment manner	modularity, modularity by, modifiability		response time, complexity, testability, service_responsibilities	response time, complexity, testability, service_responsibilities	more than enough	more than enough	more than enough	absolutely	very/a bit	more than enough	little	absolutely	absolutely	absolutely	absolutely	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	just enough	just enough	response time, code paths/complexity, service responsibility/testability		modability, modularity, modifiability				Very / A bit	yes		Intensely easy to have list of information from cloud Monthly/up to date and api consumers that help us understand how to use our api and	now			
Manager	12	8	>100	car manufacturer	tel		2016	use microservices from the start	100	mainly	mainly due to the sizes of resources of your main products, allows to reuse a microservice in several customers	resource management, reusability	resource_utilization, reusability				very/a bit	very/a bit	very/a bit	just enough	absolutely	absolutely	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
Developer	8	6	>100	Software Development	Document Management System	2002	2016		8		better separate each features, reduce maintenance effort, reduce synchronization between teams	modularization, effort_ (step by - maintenance), team organization, team collaboration	modularity, development_effort, team_organization				very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
Manager	10	5	50	web development	Web cms to support users in automatically create websites similar to wordpress.com)	2011	2017		6	To decrease coupling and because we believed that this is the future	modularization, refactoring	modularity, refactoring				very/a bit	more than enough	absolutely not	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	more than enough	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
Developer	10	12	>100	insurance	insurance information system	1986	2016		67	don't know, at least 3 in the last 10 years	because we were not able to maintain the system anymore (time) or (Rs)	agaya system, maintenance	agaya, maintainability			very/a bit	very/a bit	just enough	absolutely	absolutely	absolutely	absolutely	absolutely	absolutely	absolutely	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit	very/a bit
customer site	16			finance	banking	1986	2016			400+	development team, easier automatic/isolated testing, continuous development	team organization, testability, deployment/delivery	team_organization, testability, deployability			absolutely not	absolutely not	absolutely not	absolutely not	just enough	little	little	absolutely not	more than enough	very/a bit	little	absolutely	absolutely	absolutely	absolutely	absolutely	absolutely	absolutely