

<b>Project Name</b>	Kubernetes Inventory Taker
<b>Online team meeting</b>	<a href="https://fau.zoom.us/j/66067362855">https://fau.zoom.us/j/66067362855</a>
<b>Production system (if any)</b>	not available
<b>Test system (if any)</b>	not available
<b>GitHub repository</b>	<a href="https://github.com/amosproj/amos2023ss04-kubernetes-inventory-taker">https://github.com/amosproj/amos2023ss04-kubernetes-inventory-taker</a>
<b>GitHub feature board</b>	<a href="#">amos2023ss04-feature-board (github.com)</a>
<b>GitHub impediments backlog</b>	<a href="#">amos2023ss04-impediments-backlog (github.com)</a>
<b>Team T-shirt (white, male)</b>	<a href="https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/87425b24-a18c-4528-b35d-81df816ca277">https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/87425b24-a18c-4528-b35d-81df816ca277</a>
<b>Team T-shirt (black, male)</b>	<a href="https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/42541114-1bf4-4ca6-89c2-2040abfcfe20">https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/42541114-1bf4-4ca6-89c2-2040abfcfe20</a>
<b>Team T-shirt (white, female)</b>	<a href="https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/05d839cc-d89e-4063-a1e2-a2ddb9deff98">https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/05d839cc-d89e-4063-a1e2-a2ddb9deff98</a>
<b>Team T-shirt (black, female)</b>	<a href="https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/077e16f6-e925-4331-9371-fb165b676607">https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/077e16f6-e925-4331-9371-fb165b676607</a>
<b>Additional materials</b>	...

Last Name	First Name	GitHub User Name	Email Address
Degen	Jan	jandegen	jan.degen@fau.de
Kramer	Philipp	PhlppKrmr	philipp.kramer@fau.de
Zabka	Stefan	vringar	zabka@campus.tu-berlin.de
Jochens	Nikolas	njochens	nj@andaco.de
Ali	Muhammad Fahad	muhdfahadali	mfahad.ali@fau.de
Gehrlein	Lucas	lifesbest23	l.gehrlein@campus.tu-berlin.de
Wiesend	Simon	smnws	simon.wiesend@fau.de
Kwiatek	Anna	IceFlovver	anna.kwiatek@fau.de
Aziri	Ali	freefreep	ali.aziri@campus.tu-berlin.de

#	Meeting Day	Product Owner	Software Developer	Release Manager	Scrum Master	Comment
1	2022-10-19	Philipp Kramer, Jan Degen	Everyone else	N/A	Anna Kwiatek	
2	2022-10-26	Philipp Kramer, Jan Degen	Everyone else	Lucas Gehrlein	Anna Kwiatek	
3	2022-11-02	Philipp Kramer, Jan Degen	Everyone else	Stefan Zabka	Anna Kwiatek	
4	2022-11-09	Philipp Kramer, Jan Degen	Everyone else	Stefan Zabka	Anna Kwiatek	
5	2022-11-16	Philipp Kramer, Jan Degen	Everyone else	Ali Aziri	Anna Kwiatek	
6	2022-11-23	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
7	2022-11-30	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	Mid-term due
8	2022-12-07	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
9	2022-12-14	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
10	2023-01-11	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
11	2023-01-18	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
12	2023-01-25	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
13	2023-02-01	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	
14	2023-02-08	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	Demo day!
15	2023-02-15	Philipp Kramer, Jan Degen	Everyone else	tbd.	Anna Kwiatek	Retrospective

<b>Goals</b>	<ul style="list-style-type: none"> <li>- Get in touch with Kubernetes, Docker</li> <li>- Everyone feels comfortable working with it</li> <li>- Earning something</li> <li>- Deliver working application</li> <li>- Satisfy the client</li> <li>- We succeed as a team or we fail as a team</li> </ul>
<b>Meeting norms</b>	<ul style="list-style-type: none"> <li>- Create meeting protocol, maintainer is the current release manager</li> <li>- <a href="#">Zoom for Teammeeting 12:30</a></li> <li>- Dont use Zoom Chat, instead use Mattermost channel <a href="#">Teammeeting</a></li> <li>- Stay within meeting schedule, dont extend meetings heavily</li> </ul>
<b>Working norms</b>	<ul style="list-style-type: none"> <li>- Help each other</li> <li>- Main branch is runnable</li> <li>- No direct pushes to main</li> <li>- Code is reviewed by other software developers</li> <li>- Everyone picks up open active topics proactively</li> <li>- Every developer has to do at least 1 story point per sprint</li> </ul>
<b>Coordination norms</b>	<ul style="list-style-type: none"> <li>- Decline meetings if you're not able to join</li> <li>- Inform team if you're late</li> <li>- Use comments on GitHub issues for coordination on user stories</li> </ul>
<b>Communication norms</b>	<ul style="list-style-type: none"> <li>- Mattermost for team internal communication</li> <li>- We interact politely and respectfully with each other</li> <li>- Everyone can always speak up and state their mind</li> <li>- In case of problems talk to each other</li> <li>- Cameras are always on with happy faces</li> </ul>
<b>Consideration norms</b>	<ul style="list-style-type: none"> <li>- Less tasks for people with exams</li> <li>- Majority vote for hard decisions</li> <li>- Every opinion is weighted equally</li> </ul>
<b>Cont. improvement norms</b>	<ul style="list-style-type: none"> <li>- Perform retrospective after sprints</li> <li>- Talk openly about what went wrong respectful manner</li> </ul>
<b>Rewards</b>	<ul style="list-style-type: none"> <li>- Good sprints give research budgets which is spent on research project related stuff</li> </ul>
<b>Sanctions</b>	<ul style="list-style-type: none"> <li>- Sad smileys for late people</li> </ul>
<b>Signature</b>	Jan Degen

	Stefan Zabka
	Muhammad Fahad Ali
	Lucas Gehrlein
	Nikolas Jochens
	Simon Wiesend
	Philipp Kramer
	Anna Kwiatek

Product Vision	Project Mission
<p>Our vision is to create a tool that empowers DevOps teams to manage their Kubernetes clusters with ease, providing them with a single platform for inventory visibility, deep insights, real-time analytics, and intelligent monitoring and alerting. With KIT, teams can optimize their resources and streamline their operations, resulting in faster deployment times, better performance, and happier customers.</p>	<p>Product Mission for KIT: Simplifying Kubernetes Management and Monitoring for DevOps Teams</p> <p>At KIT (Kubernetes Inventory Taker), our mission is to simplify Kubernetes management and monitoring for DevOps teams. We want to provide a user-friendly tool that gives you a clear, real-time view of your Kubernetes resources, from deployments and pods to containers, so you can easily manage and optimize your infrastructure.</p> <p>Here's what we're all about:</p> <ul style="list-style-type: none"><li>- Inventory Visibility: We'll provide you with a comprehensive view of your Kubernetes inventory, showing you the state, health, and configuration of your deployments, pods, and containers in a single, easy-to-navigate interface. No more complex logs or guesswork - we'll make it simple and intuitive for you to understand your resources.</li><li>- Insights and Analysis: We'll help you gain deep insights into your Kubernetes resources with powerful analytics and analysis. Get real-time information on resource utilization, health status, and configuration changes, so you can quickly identify and resolve issues, track changes over time, and optimize your resources for better performance.</li><li>- User-friendly Web Frontend: We believe in making KIT easy to use and visually appealing. Our web frontend is designed to be user-friendly and responsive with</li></ul>

Term	Definition
KIT	Project Name short for Kubernetes Inventory Taker

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release							
	Total			0	0		
Sprints							
1				0	0	0	0
2				0	0	0	0
3				0	0	0	0
...					0		0
Features							
1							
2							
3							



Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release							
	Total			0	0		
Sprints							
1				0	0	0	0
2				0	0	0	0
3				0	0	0	0
...					0		0
Features							
1							
2							
3							

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	Colours match with color scheme	sprint-XX-release-candidate release created and marked as pre-release	All required features are implemented
	Implementation is unit tested	New Docker images available at DockerHub	User manual is ready
	Unit test coverage above 70%	Sprint Review completed	Technical manual is ready
	Code documentation updated (jsdoc or godoc?)	Sprint Retrospective completed	No bugs
	Changes to database documented at Confluence- Database scheme	Pull request to "main" branch merged & closed if there is a new release	
	Changes to architecture documented at Confluence - Architecture	Real size set for each closed user story	
	Feature has been fully implemented		
	All acceptance criteria were met		
	Product owner approved features		
	All tests are passing		
	Pull request to "develop" branch is merged & closed		
	Bill of materials is updated with new dependencies		

Type	Link / reference

#	Context	Name	Version	License	Comment
1	Proxy	Kubernetes Client Library	v0.27.1	Apache-2.0	<a href="https://github.com/kubernetes/client-go/">https://github.com/kubernetes/client-go/</a>
2	Frontend	Types	multiple	MIT	<a href="https://github.com/DefinitelyTyped/DefinitelyTyped/">https://github.com/DefinitelyTyped/DefinitelyTyped/</a>
3	Frontend	Next.js	13.3.4	MIT	<a href="https://github.com/vercel/next.js">https://github.com/vercel/next.js</a>
4	Frontend	typescript	5.0.4	Apache-2.0	<a href="https://github.com/microsoft/TypeScript">https://github.com/microsoft/TypeScript</a>
5	Frontend	tailwindcss	3.3.2	MIT	<a href="https://github.com/tailwindlabs/tailwindcss">https://github.com/tailwindlabs/tailwindcss</a>
6	Frontend	swr	2.1.5	MIT	<a href="https://github.com/vercel/swr">https://github.com/vercel/swr</a>
7	Frontend	react	18.2.0	MIT	<a href="https://github.com/facebook/react">https://github.com/facebook/react</a>
8	Frontend	postcss	8.4.23	MIT	<a href="https://github.com/postcss/postcss">https://github.com/postcss/postcss</a>
9	Frontend	eslint	8.39.0	MIT	<a href="https://github.com/eslint/eslint">https://github.com/eslint/eslint</a>
10	Frontend	autoprefixer	10.4.14	MIT	<a href="https://github.com/postcss/autoprefixer">https://github.com/postcss/autoprefixer</a>

Last Name	First Name	Value		#DIV/	#DIV/		
Degen	Jan			0!	0!		
Kramer	Philipp						
Zabka	Stefan						
Jochens	Nikolas						
Ali	Muhammad Fahad			0	No size		
Gehrlein	Lucas			1	Trivial size		
Wiesend	Simon			2	Small size		
Kwiatek	Anna			3	Medium size		
Aziri	Ali			5	Large size		
				8	Very large size		
				13	Too large (size)		