



IMPROVEMENTSCAN - CANVAS FRICT - Seclab improvement and research


NAME: FHICT - Seclab improvement and research 

DATE: September 4, 2024 1:02 PM


DESCRIPTION OF TECHNOLOGY
 A project meant to create a dashboard and orchestration method for the Seclab environment used by the Fontys university. This system is used by students to access school hosted VMs.

HUMAN VALUES 


It does not apply to this technology. Since this tool does not affect human values, no improvements can be made on the impact on human values

TRANSPARENCY 


Adding the dashboard will add the needed transparency.

IMPACT ON SOCIETY 


I would like to make it secure, accessible, and well compartmentalized so as to not affect and put the current system at risk of attack/abuse easily or using it without the proper permissions.

STAKEHOLDERS 


I would consult all of them and make sure they are well aware of the state of the project

SUSTAINABILITY 


This is not an important objective for this technology since it is solely software based.

HATEFUL AND CRIMINAL ACTORS 


I would try to make it hard to use other people's credentials to use this technology. I would also make the dashboard implement proper authentication probably through the I-account system of the University.

DATA 


I would make sure that the dashboard and the orchestration system are separated and that the data can be used for insights in the future. We also make sure that we only store and filter the data that is used for the dashboard and verify that we don't keep unuseful data with the potential to be harmful.

FUTURE 

Make sure that the technology is easy to build upon and gives insights in time.

PRIVACY 

I would try to make sure that the data is not being collected and only displayed.

INCLUSIVITY 

We can stick to the original plan.


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IMPROVEMENTSCAN - CANVAS HELPS TO

Lab improvement and research

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HUMAN VALUES 


Now that you have thought hard about the impact of your technology on human values, what improvements...

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...

TRANSPARENCY 


Now that you have thought hard about the transparency of this technology, what improvements would you like t...

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...

IMPACT ON SOCIETY 


Now that you have thought hard about the impact of this technology on society (by filling out the questions...

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...

STAKEHOLDERS 


Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...

SUSTAINABILITY 


Now that you have thought hard about the sustainability of this technology, what improvements would you like t...

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

HATEFUL AND CRIMINAL ACTORS 


Now that you have thought hard about how bad actors can impact this technology, what improvements would...

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

DATA 


Now that you have thought hard about the impact of data on this technology, what improvements would you...

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

FUTURE 

Impact Improvement: Now that you have thought hard about the future impact of the technology, what...

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? ...

PRIVACY 

Now that you have thought hard about privacy and data protection, what improvements would you like to make?...

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

INCLUSIVITY 

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

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