

Student Website Threat Model

Owner: Teacher
Reviewer: ADD YOUR NAME HERE
Contributors:
Date Generated: Fri Aug 30 2024

Executive Summary

High level system description

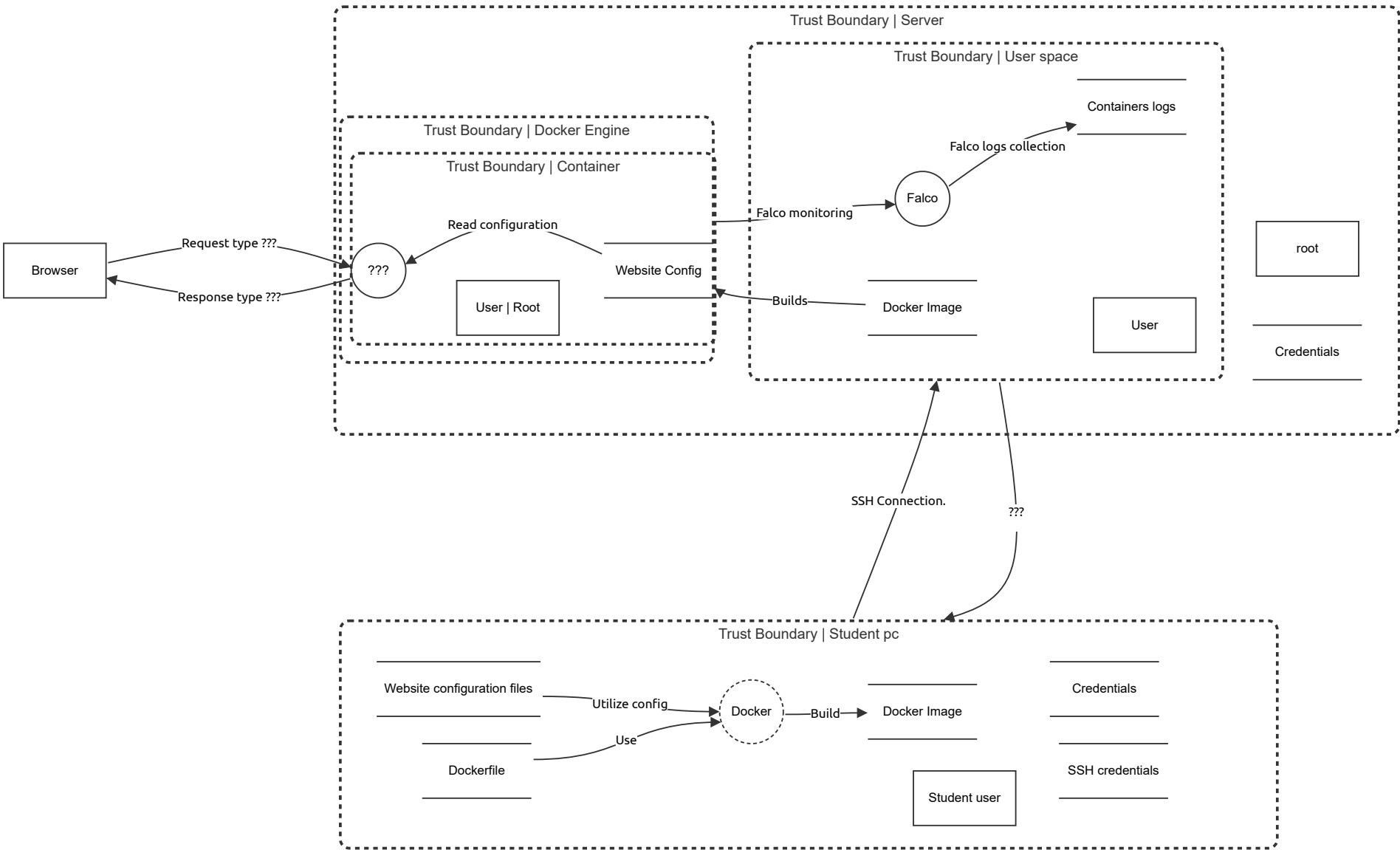
Whole system for a containerized website on cloud node.

Summary

Total Threats	0
Total Mitigated	0
Not Mitigated	0
Open / High Priority	0
Open / Medium Priority	0
Open / Low Priority	0
Open / Unknown Priority	0

System STRIDE

System includes: student's pc, cloud server and container.



System STRIDE

Browser (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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??? (Process)

Engine							
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Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Website Config (Store)

HTML and CSS for the website							
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Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Read configuration (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Response type ??? (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Request type ??? (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Builds (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Falco monitoring (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Falco logs collection (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Build (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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SSH Connection. (Data Flow)

Dev env to server, used to copy image and update image.

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Use (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Utilize config (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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???(Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Docker Image (Store)

Ready made docker image							
Number	Title	Type	Priority	Status	Score	Description	Mitigations

Containers logs (Store)

Container monitoring via Falco							
Number	Title	Type	Priority	Status	Score	Description	Mitigations

Falco (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Website configuration files (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Dockerfile (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Docker (Process) - *Out of Scope*

Builds docker image							
Number	Title	Type	Priority	Status	Score	Description	Mitigations

Docker Image (Store)

Includes website configuration files							
Number	Title	Type	Priority	Status	Score	Description	Mitigations

SSH credentials (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Credentials (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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root (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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User (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Credentials (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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Student user (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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User | Root (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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