resilient-six-threat-model

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Contributors:

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Executive Summary

High level system description

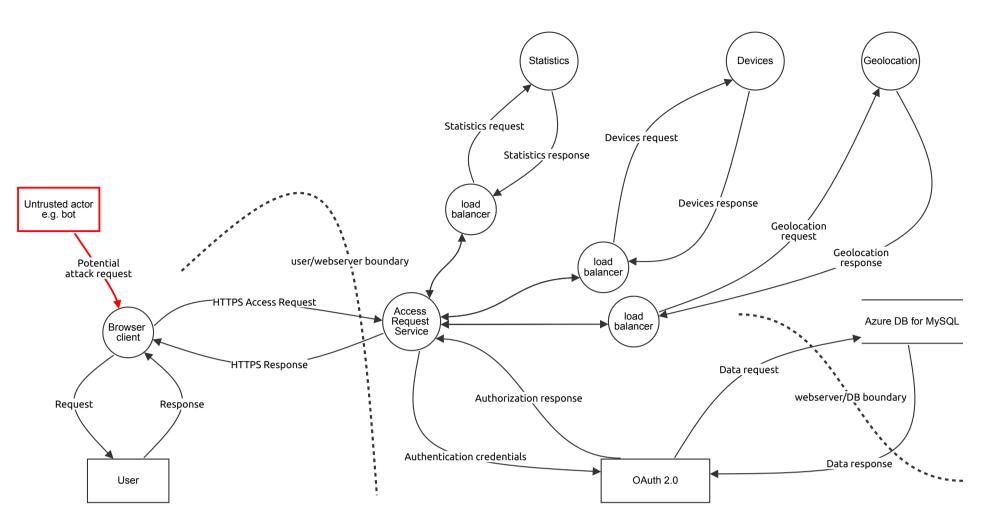
Not provided

Summary

Total Threats	4
Total Mitigated	2
Not Mitigated	2
Open / High Priority	0
Open / Medium Priority	2
Open / Low Priority	0
Open / Unknown Priority	0

resilient-six-stride-model

STRIDE model for K8S high availability demo



resilient-six-stride-model

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User (Acto	Or)								
human client									
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		
Browser									
client (Pro	cess)								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		
OAuth 2.0	(Actor)								
Authorization provi	der								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		
Access									
Request									
Service (Pr	rocess)								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		
Request (I	Data Flow	v)							
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		
Descension	/Data FI -	1							
Response	טוא פטפען)	ow)							
Number	Title	Туре	Priority	Status	Score	Description	Mitigations		

HTTPS Access Request (Data Flow)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Authorizat	ion respo	nse (Data	Flow)							
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Number	Title	Турс	Thoney	Status	30010	Descripcion	Miligations			
Authentica	tion cred	entials (D	oata Flow)							
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Data reque	st (Data l	Flow)								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Data respo	nco (Data	, Flow)								
Data respo	iise (Daca	a rtow)								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Statistics r	equest (C	Data Flow)							
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
Devices res	sponse (D	ata Flow								
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			
		.,,,,			50010					
Geolocatio request (Da										
request (Do	ita i towi									
Number	Title	Туре	Priority	Status	Score	Description	Mitigations			

Geolocation response (Data Flow)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations
Data Flor	w (Data Fl	ow)					
Data Filo	w (Data Fi	OW)					
Number	Title	Туре	Priority	Status	Score	Description	Mitigations
Data Flor	w (Data Fl	ow)					
	W (Data 1 t						
Number	Title	Туре	Priority	Status	Score	Description	Mitigations
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	•	•					
Number	Title	Туре	Priority	Status	Score	Description	Mitigations
Data Flo	w (Data Fl	ow)					
Number	Title	Tupo	Priority	Status	Score	Description	Mitigations
Number	ricte	Туре	Priority	Status	Score	Descripcion	Micigacions
Data Flo	w (Data Fl	ow)					
Number	Title	Туре	Priority	Status	Score	Description	Mitigations
		-7F-	-				
Data Flor	w (Data Fl	ow)					
Number	Title	Туре	Priority	Status	Score	Description	Mitigations
			-			•	

Statistics response (Data Flow)

Number	Title	Туре	Priority		Status	Score	Description	Mitigations
Poten ttack	ntial k request (Dat	:a Flow)						
Number	Title	Туре	Priority	Status	Score	Description		Mitigations
6	Tampering	Tampering	Medium	Open		E.g. modification of frontend navigorder to cause redirection to phishi	ing page 🔠 l	Open - need to confirm whether there is any tampering/data validation mechanism implemented
7	Unauthorized access to sensitive data	Information disclosure	Medium	Mitigated		Compromise sensitive data due to fauthorization process		Possible remedy - OAuth 2.0 + RBAC or ABAC (role-/attribute-based access control)
8	DoS attempt	Denial of service	High	Mitigated		Overload and disruption of high ava		Each microservice is handled by separate load balancer
Number HTTP	Title S Response (D	Type Data Flow	Priority)		Status	Score	Description	Mitigations
		Data Flow)			Status		Description Description	Mitigations
HTTP:	S Response (D	Data Flow) Priority					
HTTP:	S Response (D	Data Flow) Priority			Score		

Devices (Process)

Title

Number

Туре

Priority

Number	Title	Туре	Priority	Status	Score	Description	Mitigations	
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Status

Score

Description

Mitigations

Geolocation (Process)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations	

load balancer (Process)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations

load balancer (Process)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations

load balancer (Process)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations	

Untrusted actor e.g. bot (Actor)

Number	Title	Туре	Priority	Status	Score	Description	Mitigations
0	New STRIDE threat	Spoofing	Medium	Open		Provide a description for this threat	Provide remediation for this threat or a reason if status is N/A