

MZGlobal mobile app

Owner: Morelzy Global

Reviewer: Dr Ajayi

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Executive Summary

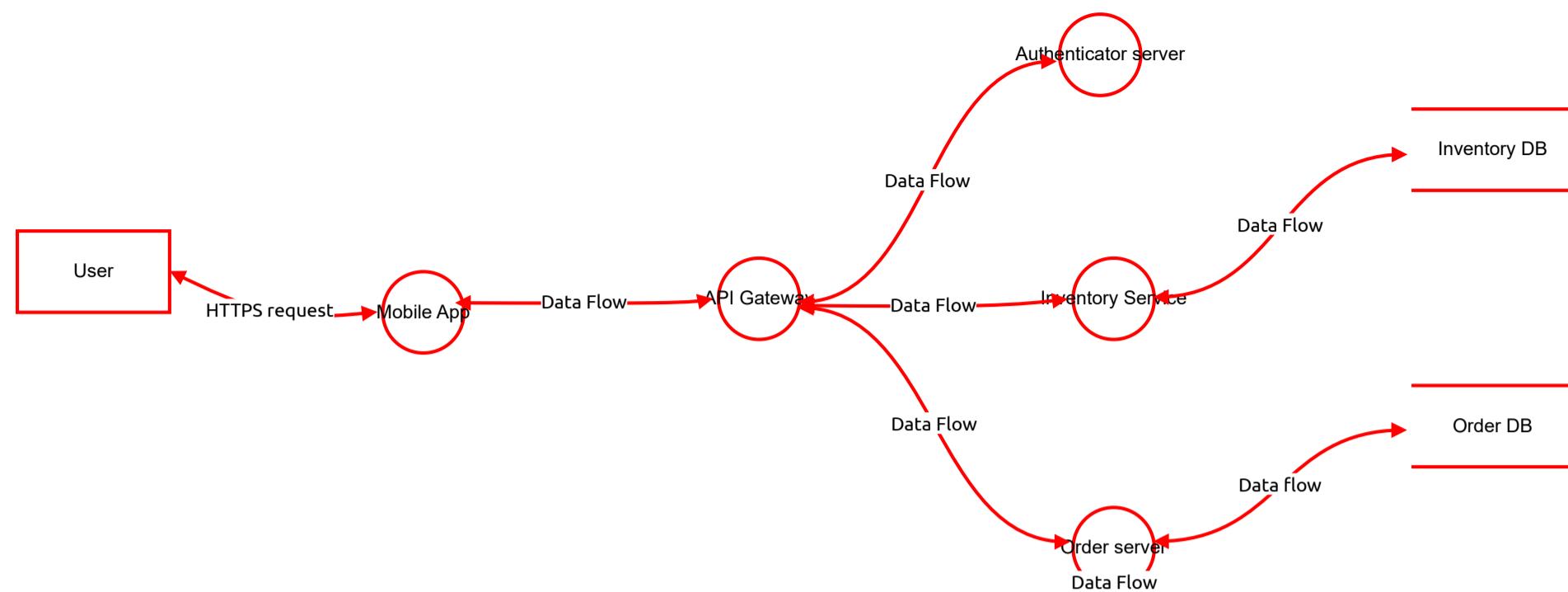
High level system description

Not provided

Summary

Total Threats	58
Total Mitigated	0
Total Open	58
Open / Critical Severity	0
Open / High Severity	0
Open / Medium Severity	0
Open / Low Severity	0
Open / TBD Severity	58

MZGlobal Stride DFD



MZGlobal Stride DFD

User (Actor)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
1	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education
2	Repudiation Threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging

Mobile App (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
8	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education
9	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
10	Repudiation threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging and auditing
11	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege) , network segmentation, data loss prevention tools
12	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests
13	Elevation of privilege threat	Elevation of privilege	TBD	Open		unauthorized access to data, malware deployment, system sabotage	principle of least privilege, strong password policy, MFA, regular patching and systems update

API Gateway (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
17	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education
18	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
19	Repudiation threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging and auditing
20	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege) , network segmentation, data loss prevention tools
21	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests
22	Elevation of privilege threat	Elevation of privilege	TBD	Open		unauthorized access to data, malware deployment, system sabotage	principle of least privilege, strong password policy, MFA, regular patching and systems update

Authenticator server (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
38	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education
39	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
40	Repudiation threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging and auditing
41	info disclosure threat	Information disclosure	TBD	Open		info disclosure threat	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
42	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests
43	Elevation of privilege threat	Elevation of privilege	TBD	Open		unauthorized access to data, malware deployment, system sabotage	principle of least privilege, strong password policy, MFA, regular patching and systems update

Inventory Service (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
50	Elevation of privilege threat	Elevation of privilege	TBD	Open		unauthorized access to data, malware deployment, system sabotage	principle of least privilege, strong password policy, MFA, regular patching and systems update
51	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
52	Repudiation threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging and auditing
53	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
54	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests
57	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education

Order server (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
44	Spoofing threat	Spoofing	TBD	Open		The user can be impersonated, data theft	Ensure MFA, implementation of password policy, user education
45	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
46	Repudiation threat	Repudiation	TBD	Open		User signature	Signing all request, session signing, logging and auditing
47	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
48	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests
49	Elevation of privilege threat	Elevation of privilege	TBD	Open		unauthorized access to data, malware deployment, system sabotage	principle of least privilege, strong password policy, MFA, regular patching and systems update

Inventory DB (Store)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
58	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
59	Repudiation threat	Repudiation	TBD	Open		User signature	Signed all requests, session signing, logging and auditing
60	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	Implement technical controls like access (least privilege), network segmentation, data loss prevention tools
61	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	Firewalls, implement backhole routing, rate limiting requests

Order DB (Store)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
62	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
14	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
15	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	Implement technical controls like access (least privilege), network segmentation, data loss prevention tools
16	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	Firewalls, implement backhole routing, rate limiting requests

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
23	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
24	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	Implement technical controls like access (least privilege), network segmentation, data loss prevention tools
25	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	Firewalls, implement backhole routing, rate limiting requests

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
26	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
27	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	Implement technical controls like access (least privilege), network segmentation, data loss prevention tools
28	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	Firewalls, implement backhole routing, rate limiting requests

HTTPS request (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
4	Tampering threat	Tampering	TBD	Open		threatens data integrity, data manipulation, falsifying digital signatures	implement MFA, encryption and access control, backups
6	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
7	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
29	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
30	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
31	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
32	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
33	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
34	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests

Data flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
35	Tampering threat	Tampering	TBD	Open		Threatens data integrity, data manipulation, falsifying digital signatures	Implement MFA, encryption and access control, backups
36	info disclosure threat	Information disclosure	TBD	Open		misconfiguration, human error, malicious attacks	implement technical controls like access (least privilege), network segmentation, data loss prevention tools
37	DOS threat	Denial of service	TBD	Open		overwhelming network bandwidth, exhausting server resources	firewalls, implement backhole routing, rate limiting requests

Data Flow (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations
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