

## Data Backup

Sprint: 1



1

As a **Developer**, I want **the app to log all user and system actions to the server** so that **I can diagnose security issues when they occur**.

Story Points: 2 Customer Value: 5

Story Points: 1 Customer Value: 10

2

## Logging and Monitoring

Sprint: 1



As a **System Administrator**, I want **to schedule regular backups of server data to an offsite location** so that **we can restore operations quickly in case of a failure or breach**.



3

## Password Security Rules

Sprint: 1



As a **User**, I want **the app to enforce passwords that include uppercase, lowercase, and numbers with a minimum of 8 characters** so that **my account is more secure**.

Story Points: 1 Customer Value: 15

Story Points: 2 Customer Value: 15

4

## Password Change

Sprint: 1



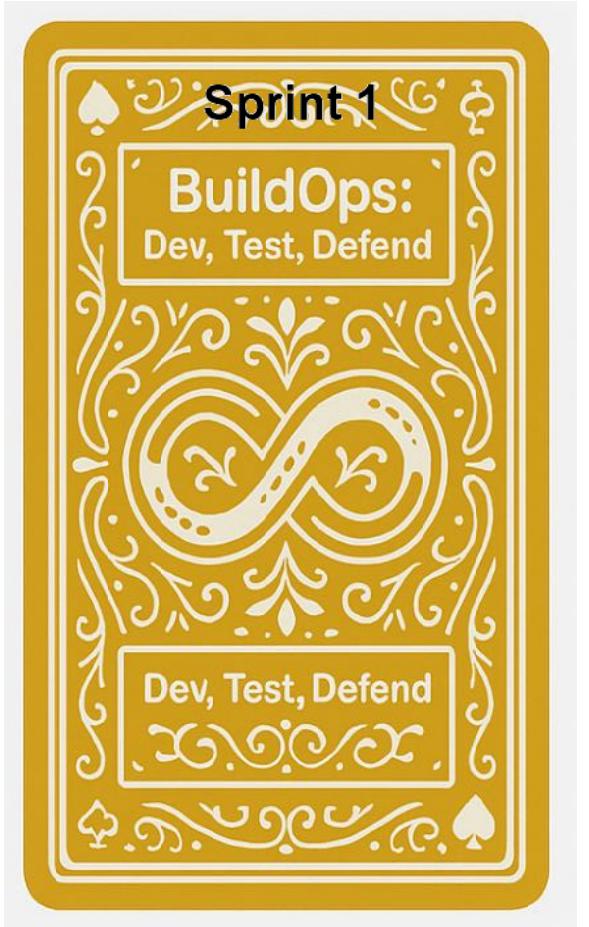
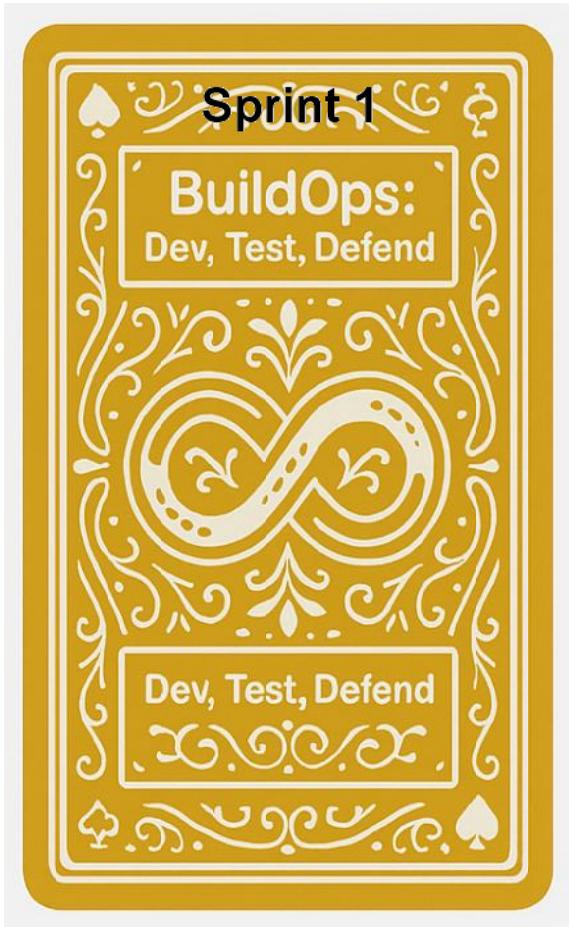
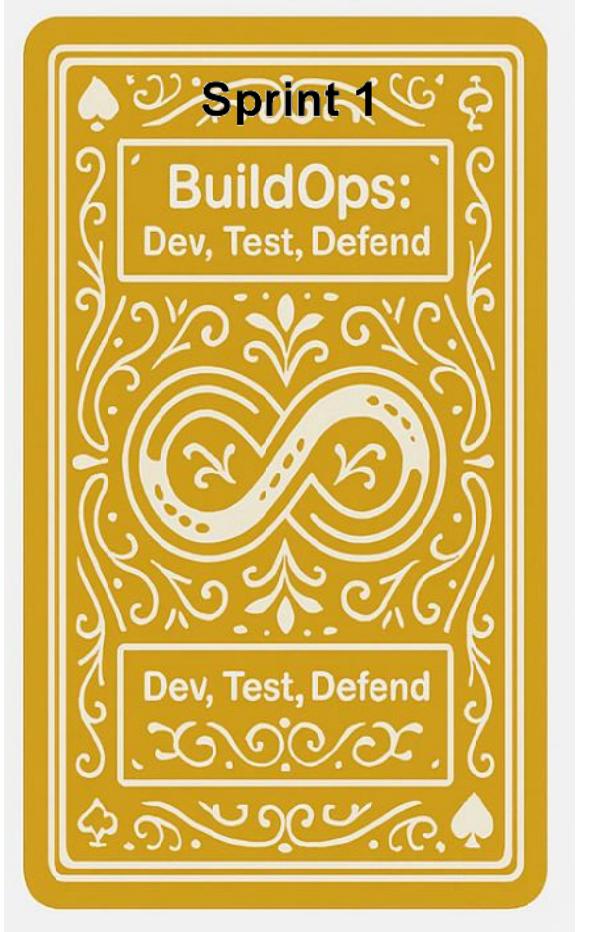
As a **Security Officer**, I want **the app to require users to change their passwords regularly** so that **compromised credentials cannot be used long-term**.

Story Points: 1 Customer Value: 15

Story Points: 2 Customer Value: 15

5





## Security Review of Application

Sprint: 1

5



As a *User*, I want *all* app-server communications to use **HTTPS** so that *my data cannot be intercepted by attackers*.

Story Points: 2 Customer Value: 20

Story Points: 4 Customer Value: 10



## Device Integrity Check

Sprint: 1

7



As a *Developer*, I want *the app to detect and block usage on jailbroken or rooted devices* so that *we can reduce the risk of compromised environments*.

Story Points: 2 Customer Value: 15

Story Points: 4 Customer Value: 5

## Server Penetration Testing

Sprint: 1

8

As a *CTO*, I want *an external security expert to attempt to breach the server* so that *we can identify and patch security weaknesses*.

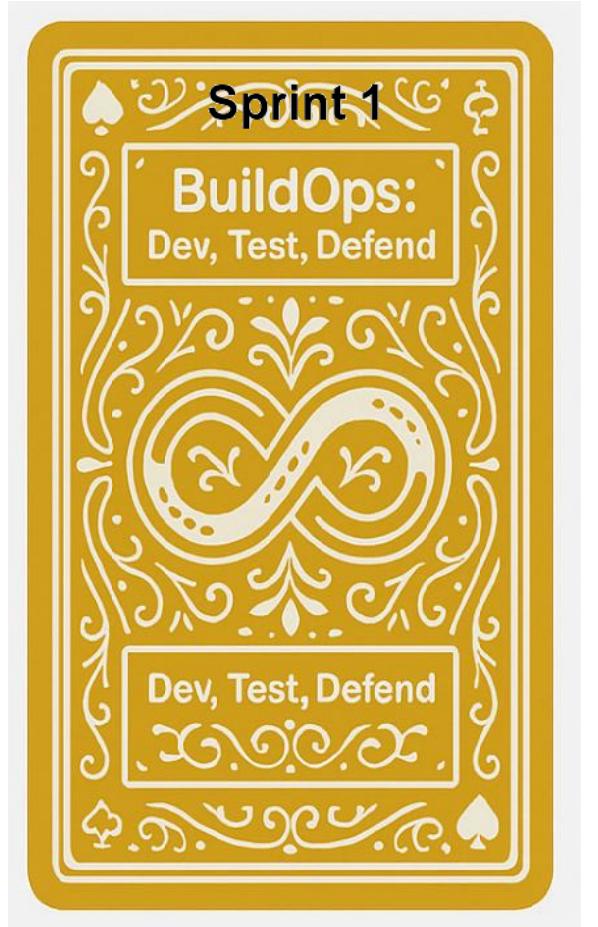
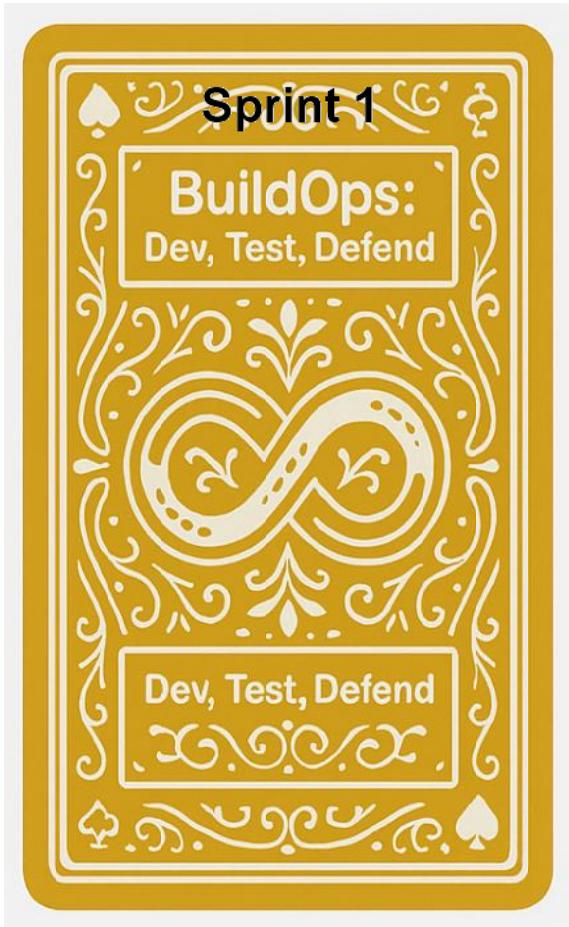
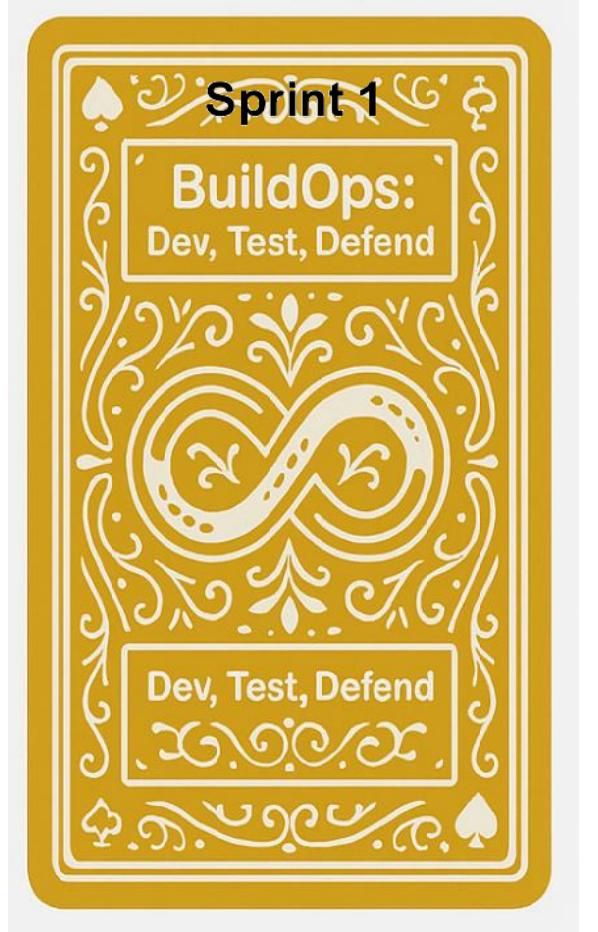
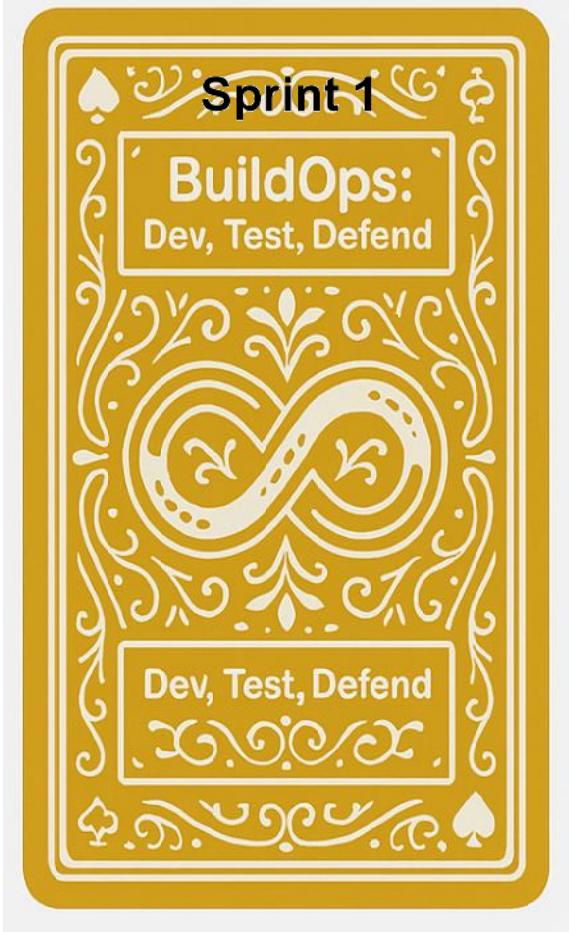
As a *Product Owner*, I want *an external security expert to perform code and design reviews of the app* so that *we can fix any vulnerabilities early*.

## Secure Network Communication

Sprint: 1

6





## Two Factor Authentication

Sprint: 2

9



As a **CTO**, I want **the IT team ensure that all software versions are current and patched** so that **we can ensure that all known vulnerabilities have been removed and all functions are operating properly..**

Story Points: 2 Customer Value: 5

Story Points: 4 Customer Value: 10



## Network Protection

Sprint: 2

1

2

As a **IT Administrator**, I want **firewall systems and phishing filters in place for office networks** so that **internal systems are protected from external threats**.

Story Points: 4 Customer Value: 5

Story Points: 4 Customer Value: 10



## Security Review of Server Code

Sprint: 2

1

2

As a **Product Owner**, I want **an external security expert to review the server configuration and code** so that **we can mitigate backend vulnerabilities**.



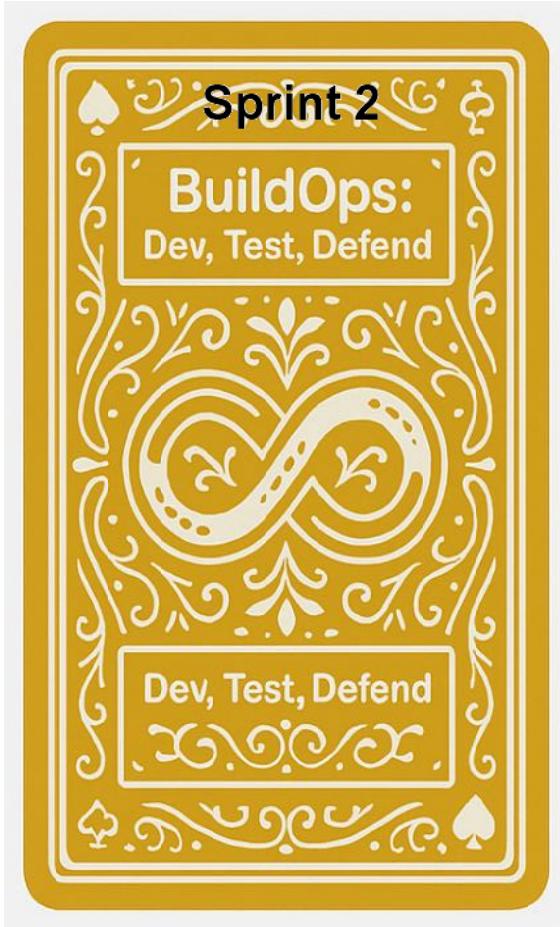
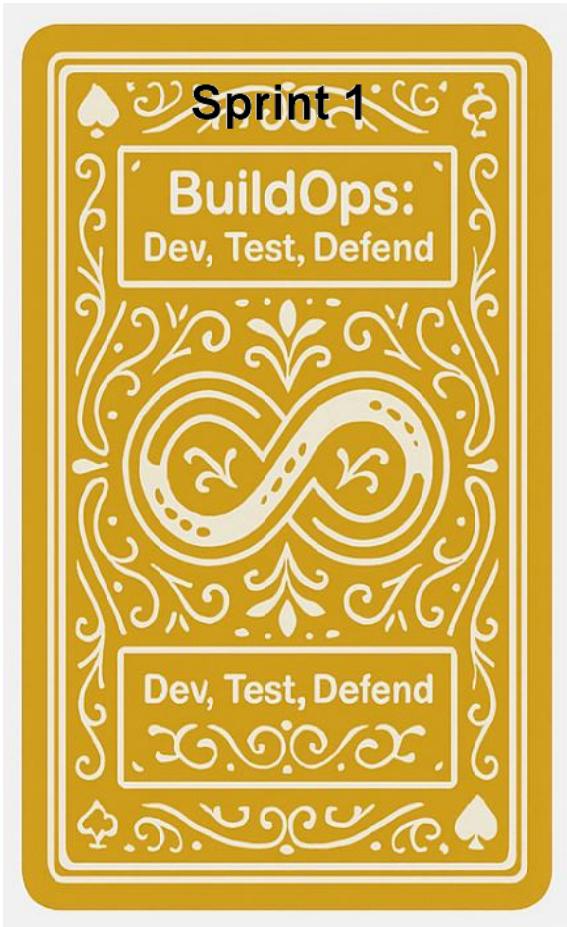
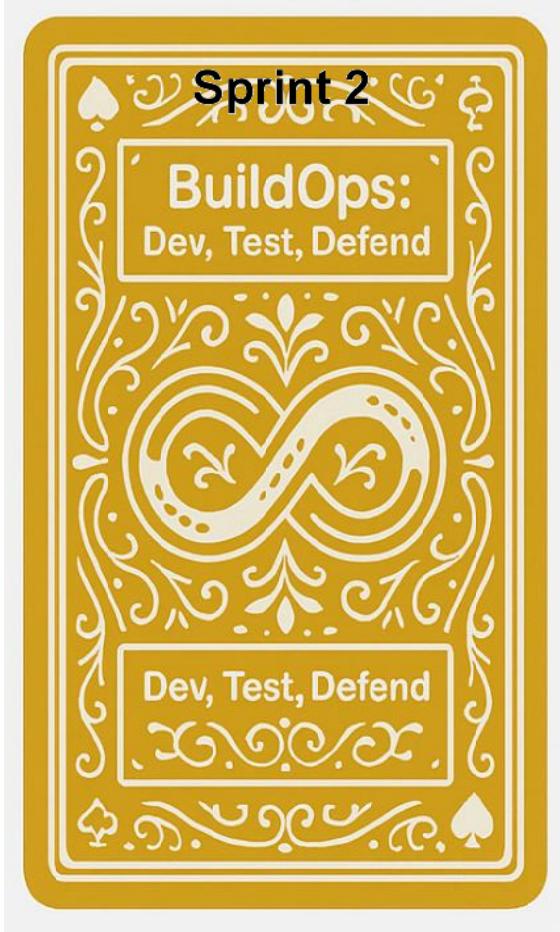
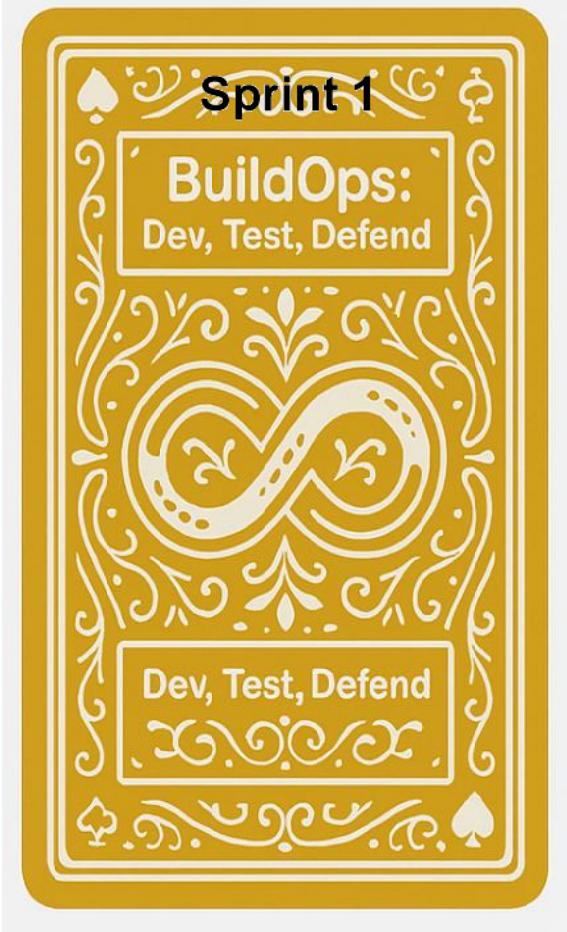
## Server Patches

Sprint: 1

0

As a **User**, I want **the login process to include a verification code sent to my phone or authentication app** so that **my account is protected even if my password is stolen**.

Story Points: 2 Customer Value: 5



## Incident Communication

Sprint: 2

3



As a **Security Engineer**, I want **all sensitive credentials and encryption keys to be stored in a Hardware Security Module (HSM)** so that **they are not exposed to unauthorized access**.

As a **Marketing Lead**, I want **a communications plan for security breaches so that we can respond to incidents transparently and protect the brand**.

Story Points: 3 Customer Value: 5

Story Points: 4 Customer Value: 15



Sprint:



As a , I want so that .

As a , I want so that .

Story Points: Customer Value:

Story Points: Customer Value:

4



## Hardware Security Module

Sprint: 2

1



As a **Security Engineer**, I want **all sensitive credentials and encryption keys to be stored in a Hardware Security Module (HSM)** so that **they are not exposed to unauthorized access**.

1

Story Points: 3

Customer Value: 5

Story Points: 4

Customer Value: 15

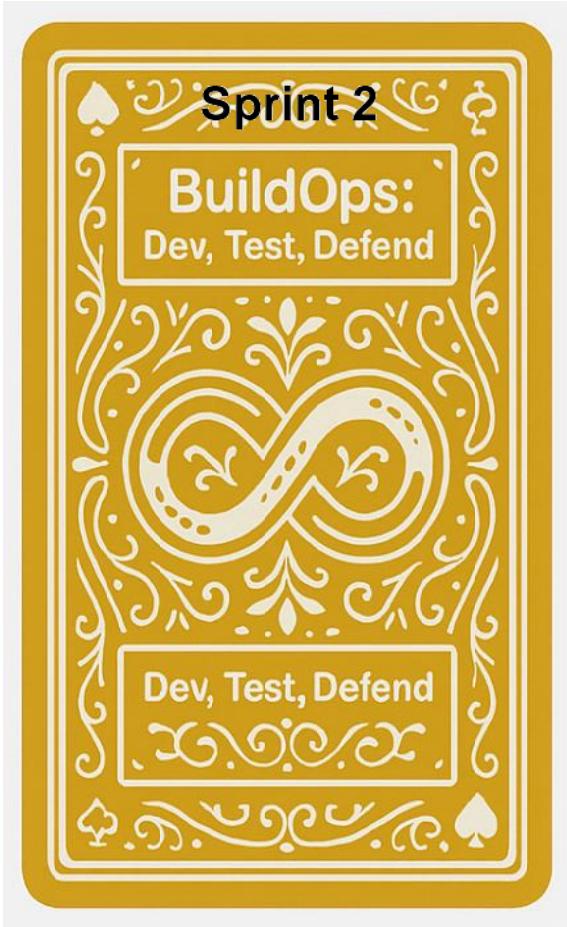
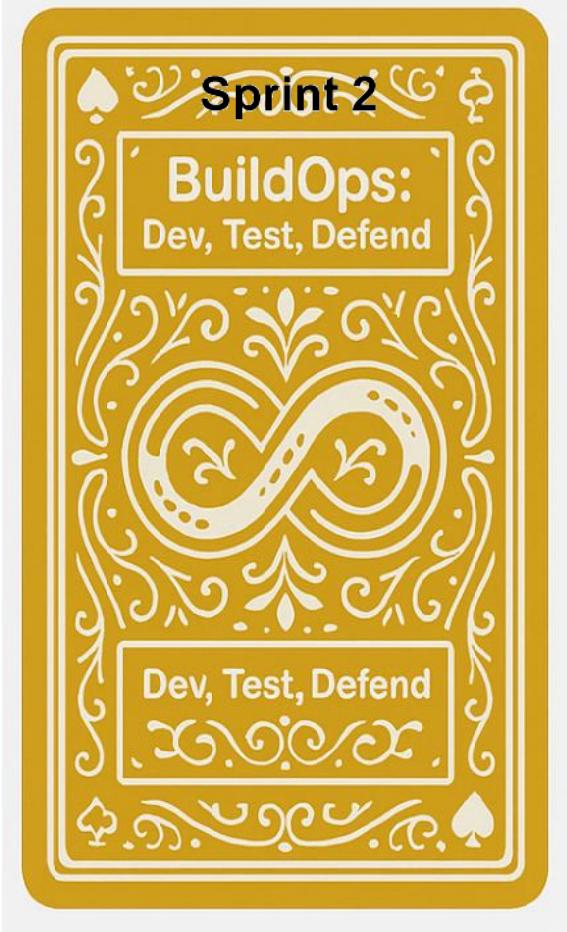


Sprint:



As a , I want so that .

As a , I want so that .



## Network Monitoring for Server

Sprint: PT



1

As a **Penetration Tester**, I want *the server data to be properly encrypted, unlocked only by software 'keys' in the server process, and backups to be stored offline only in an encrypted format* so that *an attacker who gains access to the computer system running the server won't be able to read any server data..*

Story Points: 2 Customer Value: 10

## Encrypt & Hide Data on Server

Sprint: PT



6

As a **Penetration Tester**, I want *to put in a specialist 'network monitoring' system around the server access to detect unusual network traffic that suggests an attack so that the operations team can detect a potential attack and mitigate it before it is successful..*

Story Points: 8 Customer Value: 10

## Honeytrap in server

Sprint: PT



1

As a **Penetration Tester**, I want *the development team to place a honeypot in the system to make it look as if there's nothing much for a hacker to find there but what they'll find appears to be live data so that adversaries have a more challenging time hacking the network and are not able to traverse the network as quickly..*

Story Points: 4 Customer Value: 5

## Filter server logs

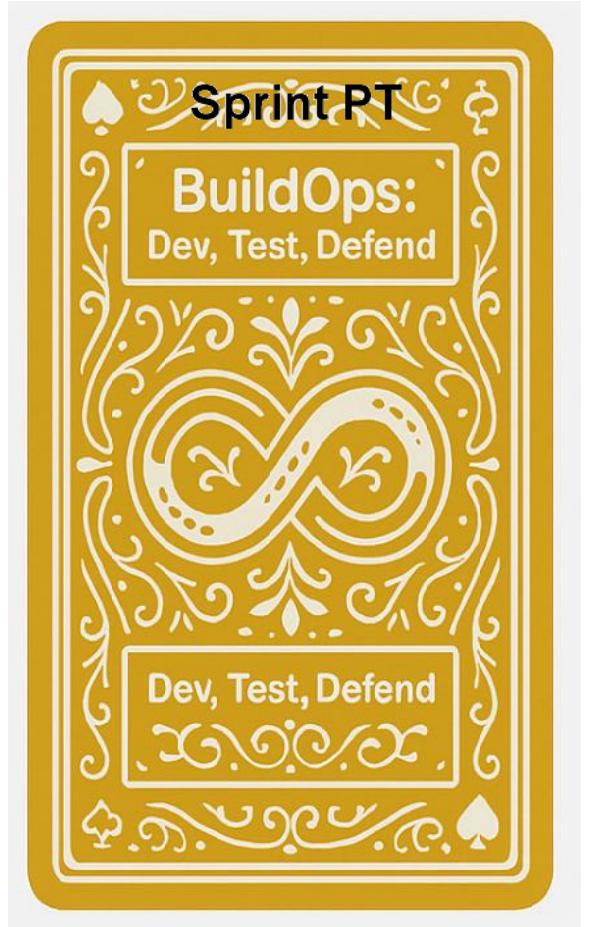
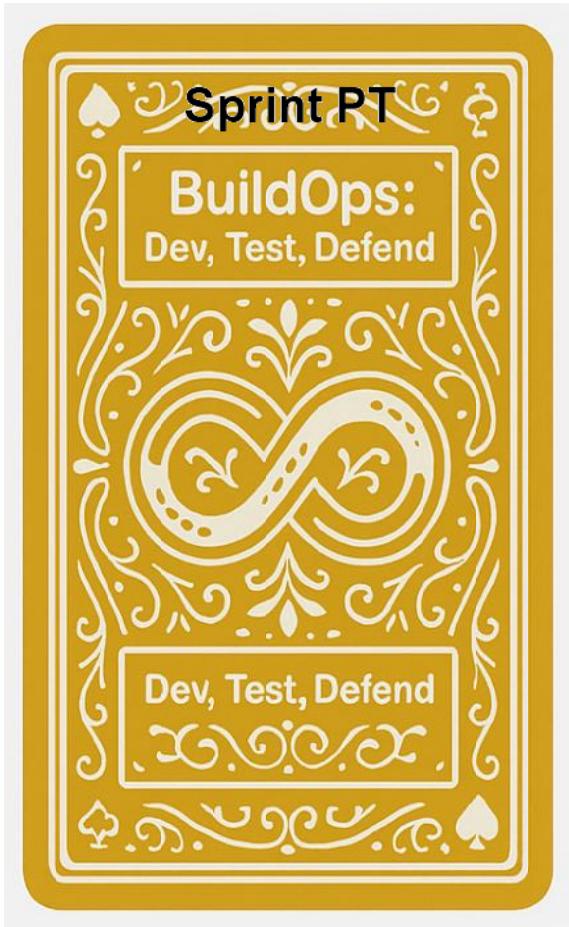
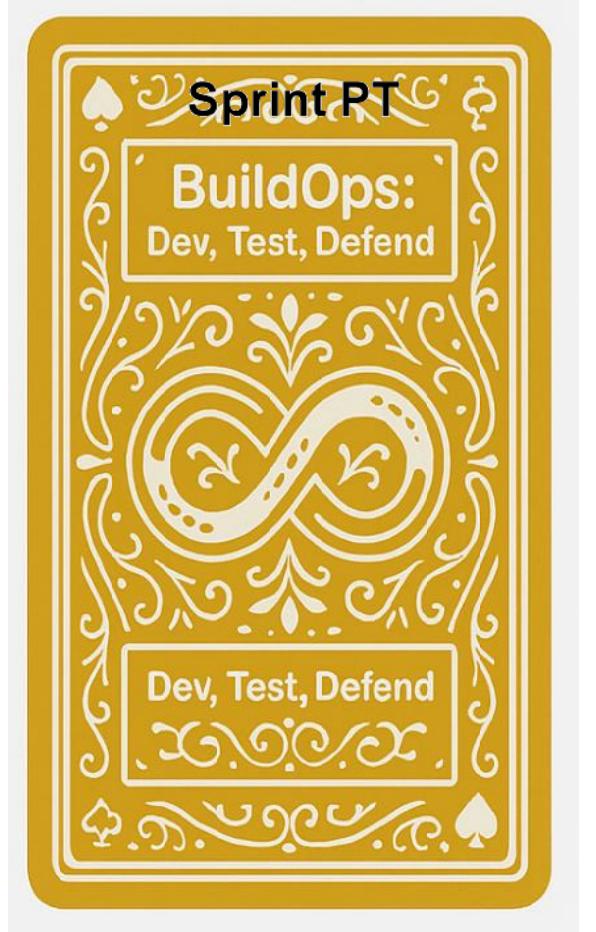
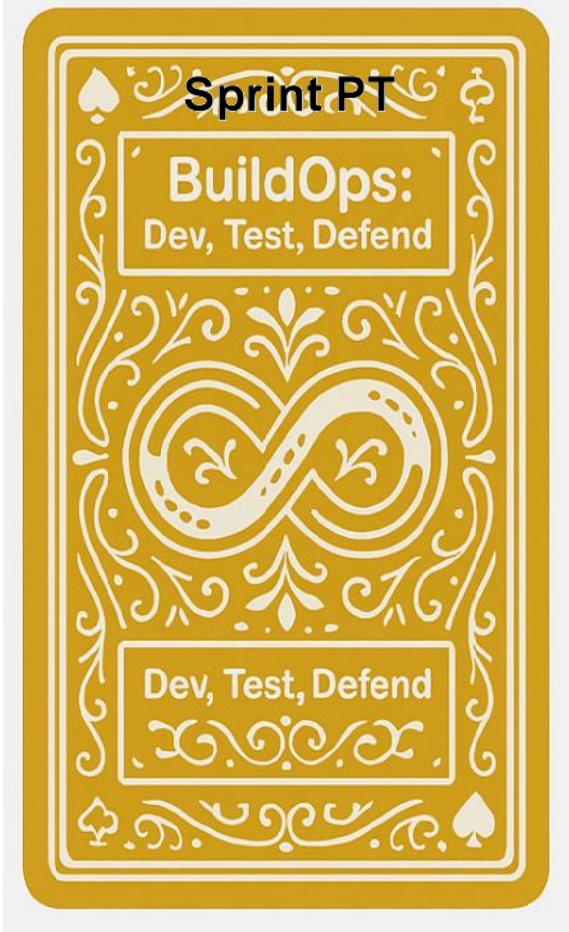
Sprint: PT



8

As a **Penetration Tester**, I want *the development team to change the logging on the system to ensure that the logs are anonymous and all entries are de-identified so that an adversary is not able to use the logs to attack the system..*

Story Points: 4 Customer Value: 15



## SSL Pinning for Enhanced HTTPS

Security

Sprint: RSC



As a **Developer (Code Reviewer)**, I want to **implement SSL Pinning in the app** so that **attackers cannot impersonate our server and intercept communications**, even if HTTPS is compromised..

Story Points: 4 Customer Value: 10

## Prevent OS Keylogging via App

Sprint: RSC



As a **security analyst (Code Reviewer)**, I want **ensure that the app does not trigger any operating system functions that log keystrokes or user input** so that **sensitive user data is not exposed..**

Story Points: 2 Customer Value: 15

## Block Outdated App Versions

Sprint: RSC



As a **System Administrator (Code Reviewer)**, I want **prevent outdated app versions from accessing the server and guide users to upgrade** so that **security patches and features are consistently applied..**

Story Points: 2 Customer Value: 15

## Strengthen Login Security

Sprint: RSC



As a **security analyst (Code Reviewer)**, I want **the login system to obscure username validity and block login after five failed attempts** so that **attackers cannot easily guess credentials through brute force..**

Story Points: 4 Customer Value: 10

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