Requirements (JIRA)

System Monitoring Server

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# Scrum Board

*NOTE: The board is empty as the first sprint has not started yet. A second screenshot is provided as a reference for how it will look when Sprint 1 is opened.*

A screenshot of a computer

Description automatically generated

Figure 1 - Empty SCRUM Board

A screenshot of a computer

Description automatically generated

Figure 2 - SCRUM Board with Sprint Started

# Epics

## Epic 1 – Project Setup

A screenshot of a computer

Description automatically generated

Figure 3 - Epic 1

## Epic 2 – Status Page

A screenshot of a computer

Description automatically generated

Figure 4 - Epic 2

## Epic 3 – Server History

A screenshot of a computer

Description automatically generated

Figure 5 - Epic 3

Epic 4 – Server Management  
A screenshot of a computer

Description automatically generated

Figure 6 - Epic 4

## Epic 5 – Alert Management

A screenshot of a computer

Description automatically generated

Figure 7 - Epic 5

## Epic 6 – Server Monitoring

A screenshot of a computer

Description automatically generated

Figure 8 - Epic 6

## Epic 7 – Authentication

A screenshot of a computer

Description automatically generated

Figure 9 - Epic 8

# Epic Timeline View

A screenshot of a computer

Description automatically generated

Figure 10 - Epic Timeline

# Complete Story List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [Story](https://ift401-hz.atlassian.net/browse/SCRUM-69)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-68)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-67)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-66)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-65)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-64)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-63)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-62)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-61)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-60)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-59)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-58)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-57)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-56)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-55)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-54)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-53)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-52)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-51)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-50)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-49)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-48)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-47)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-46)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-45)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-44)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-43)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-42)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-41)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-40)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-39)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-38)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-37)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-36)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-35)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-34)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-33)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-32)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-31)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-30)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-29)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-28)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-27)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-26)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-25)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-24)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-23)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-22)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-21)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-20)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-19)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-18)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-17)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-16)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-15)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-12)[Story](https://ift401-hz.atlassian.net/browse/SCRUM-11)   |  | | --- | | **Key** | | **Summary** | |  | | --- | | **Status** | |
| [SCRUM-69](https://ift401-hz.atlassian.net/browse/SCRUM-69) | [As an administrator, I want to see all servers on the management page so that I can choose which to manage](https://ift401-hz.atlassian.net/browse/SCRUM-69) | To Do |
| [SCRUM-68](https://ift401-hz.atlassian.net/browse/SCRUM-68) | [As a user, I want to have real-time updates on the status page so that I don't have to refresh](https://ift401-hz.atlassian.net/browse/SCRUM-68) | To Do |
| [SCRUM-67](https://ift401-hz.atlassian.net/browse/SCRUM-67) | [As a user, I want to have real-time updates for new events while watching the history page so that I dont have to refresh](https://ift401-hz.atlassian.net/browse/SCRUM-67) | To Do |
| [SCRUM-66](https://ift401-hz.atlassian.net/browse/SCRUM-66) | [As a user, I want to have infinite scroll on the history page so that I can have fast load times](https://ift401-hz.atlassian.net/browse/SCRUM-66) | To Do |
| [SCRUM-65](https://ift401-hz.atlassian.net/browse/SCRUM-65) | [As an administrator, I want to see an inventory of the Servers, Users, and Alerts on the status page so that I can quickly see system state](https://ift401-hz.atlassian.net/browse/SCRUM-65) | To Do |
| [SCRUM-64](https://ift401-hz.atlassian.net/browse/SCRUM-64) | [As an administrator I want an audit trail of all login/logout activity so that I can respond to security incidents](https://ift401-hz.atlassian.net/browse/SCRUM-64) | To Do |
| [SCRUM-63](https://ift401-hz.atlassian.net/browse/SCRUM-63) | [As an administrator I want 2FA relay to work so that I can ensure security](https://ift401-hz.atlassian.net/browse/SCRUM-63) | To Do |
| [SCRUM-62](https://ift401-hz.atlassian.net/browse/SCRUM-62) | [As a user I want to log out so that I can make sure no one uses my credentials](https://ift401-hz.atlassian.net/browse/SCRUM-62) | To Do |
| [SCRUM-61](https://ift401-hz.atlassian.net/browse/SCRUM-61) | [As a developer I want a front-end framework with aptternfly so that I can easily build the UI pages](https://ift401-hz.atlassian.net/browse/SCRUM-61) | To Do |
| [SCRUM-60](https://ift401-hz.atlassian.net/browse/SCRUM-60) | [As a developer I want an application framework in golang so that I can consistently code business logic](https://ift401-hz.atlassian.net/browse/SCRUM-60) | To Do |
| [SCRUM-59](https://ift401-hz.atlassian.net/browse/SCRUM-59) | [As a developer I want a pre-configured go.mod with all dependencies so that I can write app-tier code](https://ift401-hz.atlassian.net/browse/SCRUM-59) | To Do |
| [SCRUM-58](https://ift401-hz.atlassian.net/browse/SCRUM-58) | [As a developer I want a set of makefiles that bundles the app so that I can easily build packages](https://ift401-hz.atlassian.net/browse/SCRUM-58) | To Do |
| [SCRUM-57](https://ift401-hz.atlassian.net/browse/SCRUM-57) | [As a developer I want an editorconfig.rc so that I can have my code consistenly formatted](https://ift401-hz.atlassian.net/browse/SCRUM-57) | To Do |
| [SCRUM-56](https://ift401-hz.atlassian.net/browse/SCRUM-56) | [As a developer I want a tsconfig template so that I can consistently compile my typescript](https://ift401-hz.atlassian.net/browse/SCRUM-56) | To Do |
| [SCRUM-55](https://ift401-hz.atlassian.net/browse/SCRUM-55) | [As the system, I want to perform Ping checks by executing ICMP echo responses so that I can issue alerts when needed](https://ift401-hz.atlassian.net/browse/SCRUM-55) | To Do |
| [SCRUM-54](https://ift401-hz.atlassian.net/browse/SCRUM-54) | [As the system, I want to perform TCP checks by connecting on the specified port so that I can issue alerts when needed](https://ift401-hz.atlassian.net/browse/SCRUM-54) | To Do |
| [SCRUM-53](https://ift401-hz.atlassian.net/browse/SCRUM-53) | [As the system, I want to perform HTTP checks by verifying status code so that I can issue alerts when the code doesn't match](https://ift401-hz.atlassian.net/browse/SCRUM-53) | To Do |
| [SCRUM-52](https://ift401-hz.atlassian.net/browse/SCRUM-52) | [As the system, I want to execute checks at configured intervals so that I can issue alerts when appropriate](https://ift401-hz.atlassian.net/browse/SCRUM-52) | To Do |
| [SCRUM-51](https://ift401-hz.atlassian.net/browse/SCRUM-51) | [As an administrator I want to select "all servers" for a given alert recipient so that I don't have to select them one-by-one](https://ift401-hz.atlassian.net/browse/SCRUM-51) | To Do |
| [SCRUM-50](https://ift401-hz.atlassian.net/browse/SCRUM-50) | [As an administrator I want to select which servers an alert recipient is notified of so that I can prevent irrelevant alerts](https://ift401-hz.atlassian.net/browse/SCRUM-50) | To Do |
| [SCRUM-49](https://ift401-hz.atlassian.net/browse/SCRUM-49) | [As an administrator I want to delete existing alert recipients so that I can update the system when the org changes](https://ift401-hz.atlassian.net/browse/SCRUM-49) | To Do |
| [SCRUM-48](https://ift401-hz.atlassian.net/browse/SCRUM-48) | [As an administrator I want to edit existing alert recipients so that I can update the system when the org changes](https://ift401-hz.atlassian.net/browse/SCRUM-48) | To Do |
| [SCRUM-47](https://ift401-hz.atlassian.net/browse/SCRUM-47) | [As an administrator I want to create new alert recipients so that I can set up users for response](https://ift401-hz.atlassian.net/browse/SCRUM-47) | To Do |
| [SCRUM-46](https://ift401-hz.atlassian.net/browse/SCRUM-46) | [As an administrator I want to configure Ping checks so that I can ensure network devices are responding](https://ift401-hz.atlassian.net/browse/SCRUM-46) | To Do |
| [SCRUM-45](https://ift401-hz.atlassian.net/browse/SCRUM-45) | [As an administrator I want to configure TCP checks on a specific port number so that I can ensure applications are listening on specific ports](https://ift401-hz.atlassian.net/browse/SCRUM-45) | To Do |
| [SCRUM-44](https://ift401-hz.atlassian.net/browse/SCRUM-44) | [As an administrator I want to configure HTTPS checks to respect or ignore TLS so that I can support self-signed certificates](https://ift401-hz.atlassian.net/browse/SCRUM-44) | To Do |
| [SCRUM-43](https://ift401-hz.atlassian.net/browse/SCRUM-43) | [As an administrator I want to configure HTTP/S checks so that I can test websites](https://ift401-hz.atlassian.net/browse/SCRUM-43) | To Do |
| [SCRUM-42](https://ift401-hz.atlassian.net/browse/SCRUM-42) | [As an administrator I want to configure the check interval for each server so that I can control the frequency of checks](https://ift401-hz.atlassian.net/browse/SCRUM-42) | To Do |
| [SCRUM-41](https://ift401-hz.atlassian.net/browse/SCRUM-41) | [As an administrator I want to enter the server name, description, and hostname or IP address so that I can configure the server for monitoring](https://ift401-hz.atlassian.net/browse/SCRUM-41) | To Do |
| [SCRUM-40](https://ift401-hz.atlassian.net/browse/SCRUM-40) | [As an administrator I want to delete existing servers so that I can update the system when the network changes](https://ift401-hz.atlassian.net/browse/SCRUM-40) | To Do |
| [SCRUM-39](https://ift401-hz.atlassian.net/browse/SCRUM-39) | [As an administrator I want to edit existing servers so that I can update the system when the network changes](https://ift401-hz.atlassian.net/browse/SCRUM-39) | To Do |
| [SCRUM-38](https://ift401-hz.atlassian.net/browse/SCRUM-38) | [As an administrator I want to create new servers so that I can add them for monitoring](https://ift401-hz.atlassian.net/browse/SCRUM-38) | To Do |
| [SCRUM-37](https://ift401-hz.atlassian.net/browse/SCRUM-37) | [As a user, I want to see the recipients of any alerts on the history page so that I know who was called to respond](https://ift401-hz.atlassian.net/browse/SCRUM-37) | To Do |
| [SCRUM-36](https://ift401-hz.atlassian.net/browse/SCRUM-36) | [As a user, I want to see the duration of each incident (in minutes) on the history page so that I don't have to compute it](https://ift401-hz.atlassian.net/browse/SCRUM-36) | To Do |
| [SCRUM-35](https://ift401-hz.atlassian.net/browse/SCRUM-35) | [As a user, I want to see the start and end time for each event on the history page so that I can get a sense of timeing](https://ift401-hz.atlassian.net/browse/SCRUM-35) | To Do |
| [SCRUM-34](https://ift401-hz.atlassian.net/browse/SCRUM-34) | [As a user, I want to see all incident notes entered for each incident on the server history page so that I can quickly get detail on resolution](https://ift401-hz.atlassian.net/browse/SCRUM-34) | To Do |
| [SCRUM-33](https://ift401-hz.atlassian.net/browse/SCRUM-33) | [As a user, I want to see all prior incidents on the history page in descending order so that I can review them from newest to oldest](https://ift401-hz.atlassian.net/browse/SCRUM-33) | To Do |
| [SCRUM-32](https://ift401-hz.atlassian.net/browse/SCRUM-32) | [As a user, I want to see a timeline chart of prior incidents on the server history page so that I can identify trends](https://ift401-hz.atlassian.net/browse/SCRUM-32) | To Do |
| [SCRUM-31](https://ift401-hz.atlassian.net/browse/SCRUM-31) | [As a user, I want to see the known server information (hostname, IP, owner) for each server so that I have the server details to reference](https://ift401-hz.atlassian.net/browse/SCRUM-31) | To Do |
| [SCRUM-30](https://ift401-hz.atlassian.net/browse/SCRUM-30) | [As a user, I want to see a server history page so that I can get more details on a given server](https://ift401-hz.atlassian.net/browse/SCRUM-30) | To Do |
| [SCRUM-29](https://ift401-hz.atlassian.net/browse/SCRUM-29) | [As an administrator, I want to have quick access to add users so that I can administer the system](https://ift401-hz.atlassian.net/browse/SCRUM-29) | To Do |
| [SCRUM-28](https://ift401-hz.atlassian.net/browse/SCRUM-28) | [As an administrator, I want to have quick access to add alerts so that I can administer the system](https://ift401-hz.atlassian.net/browse/SCRUM-28) | To Do |
| [SCRUM-27](https://ift401-hz.atlassian.net/browse/SCRUM-27) | [As an administrator, I want to have quick access to add servers so that I can administer the system](https://ift401-hz.atlassian.net/browse/SCRUM-27) | To Do |
| [SCRUM-26](https://ift401-hz.atlassian.net/browse/SCRUM-26) | [As a user, I want the status page servers to link to the server history page so that I can quickly access details](https://ift401-hz.atlassian.net/browse/SCRUM-26) | To Do |
| [SCRUM-25](https://ift401-hz.atlassian.net/browse/SCRUM-25) | [As a user, I want to see the current state color coded and icon'ed appropriately on the status page so that I can quickly identify trouble areas](https://ift401-hz.atlassian.net/browse/SCRUM-25) | To Do |
| [SCRUM-24](https://ift401-hz.atlassian.net/browse/SCRUM-24) | [As a user, I want to see the current test state (pass/fail) and last check time on the status page so that I can see the overall state of the system](https://ift401-hz.atlassian.net/browse/SCRUM-24) | To Do |
| [SCRUM-23](https://ift401-hz.atlassian.net/browse/SCRUM-23) | [As a user, I want to see all monitored servers on the status page so I can get an overview of state](https://ift401-hz.atlassian.net/browse/SCRUM-23) | To Do |
| [SCRUM-22](https://ift401-hz.atlassian.net/browse/SCRUM-22) | [As a user, I want to see the status page (if permitted) so I can understand current state of servers](https://ift401-hz.atlassian.net/browse/SCRUM-22) | To Do |
| [SCRUM-21](https://ift401-hz.atlassian.net/browse/SCRUM-21) | [As an administrator, I want to configure the status page to either be public or private so that I can decide if unauthenticated users can see it](https://ift401-hz.atlassian.net/browse/SCRUM-21) | To Do |
| [SCRUM-20](https://ift401-hz.atlassian.net/browse/SCRUM-20) | [As a user I want to be disallowed from seeing or accessing Server and Alert configurations so that I don't access functions I'm not authorized for](https://ift401-hz.atlassian.net/browse/SCRUM-20) | To Do |
| [SCRUM-19](https://ift401-hz.atlassian.net/browse/SCRUM-19) | [As an administrator I want to have access to create Servers and Alerts so that I can administer the system configuration](https://ift401-hz.atlassian.net/browse/SCRUM-19) | To Do |
| [SCRUM-18](https://ift401-hz.atlassian.net/browse/SCRUM-18) | [As a user I want to land on the status page when I'm authenticated so that I can use the system](https://ift401-hz.atlassian.net/browse/SCRUM-18) | To Do |
| [SCRUM-17](https://ift401-hz.atlassian.net/browse/SCRUM-17) | [As a user I want to see a login failure message so that I can know I was not authenticated](https://ift401-hz.atlassian.net/browse/SCRUM-17) | To Do |
| [SCRUM-16](https://ift401-hz.atlassian.net/browse/SCRUM-16) | [As an administrator I want to tie login to an existing IdP so that I can enforce authentication and 2FA](https://ift401-hz.atlassian.net/browse/SCRUM-16) | To Do |
| [SCRUM-15](https://ift401-hz.atlassian.net/browse/SCRUM-15) | [As an administrator I want the system to deny access to unauthenticated users](https://ift401-hz.atlassian.net/browse/SCRUM-15) | To Do |
| [SCRUM-14](https://ift401-hz.atlassian.net/browse/SCRUM-14) | [As a user I want to log in so that I can access the system](https://ift401-hz.atlassian.net/browse/SCRUM-14) | To Do |
| [SCRUM-13](https://ift401-hz.atlassian.net/browse/SCRUM-13) | [As a developer I want a testing framework so that I can easily create unit. and integration tests](https://ift401-hz.atlassian.net/browse/SCRUM-13) | To Do |
| [SCRUM-12](https://ift401-hz.atlassian.net/browse/SCRUM-12) | [As a developer I want a CI/CD solution so that my PRs automatically build and deploy](https://ift401-hz.atlassian.net/browse/SCRUM-12) | To Do |
| [SCRUM-11](https://ift401-hz.atlassian.net/browse/SCRUM-11) | [As a developer I want a GitHub repository so that I can build the system](https://ift401-hz.atlassian.net/browse/SCRUM-11) | To Do |
| [SCRUM-10](https://ift401-hz.atlassian.net/browse/SCRUM-10) | [As a developer I want a configured server so that I can push built code](https://ift401-hz.atlassian.net/browse/SCRUM-10) | To Do |
| [SCRUM-9](https://ift401-hz.atlassian.net/browse/SCRUM-9) | [As a developer I want a containerized database so that I can test locally](https://ift401-hz.atlassian.net/browse/SCRUM-9) | To Do |
| [SCRUM-7](https://ift401-hz.atlassian.net/browse/SCRUM-7) | [Authentication](https://ift401-hz.atlassian.net/browse/SCRUM-7) | To Do |
| [SCRUM-6](https://ift401-hz.atlassian.net/browse/SCRUM-6) | [Server Monitoring](https://ift401-hz.atlassian.net/browse/SCRUM-6) | To Do |
| [SCRUM-5](https://ift401-hz.atlassian.net/browse/SCRUM-5) | [Alert Management](https://ift401-hz.atlassian.net/browse/SCRUM-5) | To Do |
| [SCRUM-4](https://ift401-hz.atlassian.net/browse/SCRUM-4) | [Server Management](https://ift401-hz.atlassian.net/browse/SCRUM-4) | To Do |
| [SCRUM-3](https://ift401-hz.atlassian.net/browse/SCRUM-3) | [Server History](https://ift401-hz.atlassian.net/browse/SCRUM-3) | To Do |
| [SCRUM-2](https://ift401-hz.atlassian.net/browse/SCRUM-2) | [Status Page](https://ift401-hz.atlassian.net/browse/SCRUM-2) | To Do |
| [SCRUM-1](https://ift401-hz.atlassian.net/browse/SCRUM-1) | [Project Setup](https://ift401-hz.atlassian.net/browse/SCRUM-1) | To Do |