Capstone Project - Sprint and Release Plan

Semester 1

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Holiday Week 1 | Holiday Week 2 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | | Sprint 2 | | Sprint 3 | | | Sprint 4 | |
| Release 1 | | | Release 2 | | | | | Release 3 | |

Semester 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 5 | | | | | | | | Sprint 6 | | | | |
| Release 4 | | | | | | | | | | | | |

# Release 1 Plan

Delivery date: 16th April, 2018 Total Story Points: 20

Provide infrastructure for project including project management tools, research and deployment infrastructure.

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| --- | --- | --- |
| Story ID | Story Title | Story Points |
| US3 | Progress Tracking | 8 |
| US2 | Client Feedback | 4 |
| US6 | Virtual Network Deployment | 8 |
|  | Story Point Sub-Total: | 20 |

## Sprint 1 Plan

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| --- | --- | --- |
| US3 | Progress Tracking |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Create Backlog | 4 | 4 |
| T02 | Update Backlog | 2 | 1 |
| T03 | Create Burndown Chart | 1 | 0.5 |
| T04 | Create Meeting Minutes | 1 | 1 |
| T05 | Verify Story is complete | 0 | 0 |
|  | Story Points: 8 Total Hours: | 8 | 6.5 |

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| US2 | Client Feedback |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Prepare Presentation | 0.5 | 0.5 |
| T02 | Meet with clients | 0.5 | 0.5 |
| T03 | Log feedback | 2 | 0.5 |
|  | Story Points: 4 Total Hours: | 3 | 1.5 |

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| --- | --- | --- |
| US6 | Virtual Network Deployment |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Research deployment requirements & options | 4 | 4 |
| T02 | Acquire and test deployment infrastructure | 4 | 20 |
|  | Story Points: 8 Total Hours: | 8 | 24 |

# Release 2 Plan

Delivery date: 21st May, 2018 Total Story Points: 44

Beginning of development of core features, further research and analaysis.

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| --- | --- | --- |
| Story ID | Story Title | Story Points |
| US14 | Industry Engagement | 4 |
| US10 | Archives | 4 |
| US23 | Client Installation & Connection | 4 |
| US22 | Elasticsearch Integration | 16 |
| US15 | Literature Review | 16 |
|  | Story Point Sub-Total: | 44 |

## Sprint 2 Plan

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| --- | --- | --- |
| US14 | Industry Engagement |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Prepare Presentation | 1 | 1 |
| T02 | Meet with Industry Partner | 2 | 1 |
| T03 | Log feedback | 1 | 1 |
|  | Story Points: 4 Total Hours: | 4 | 3 |

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| --- | --- | --- |
| US15 | Literature Review |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Research Incident Response implementations | 12 | 6 |
| T02 | Compare and contrast | 4 | 4 |
|  | Story Points: 16 Total Hours: | 16 | 10 |

## Sprint 3 Plan

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| --- | --- | --- |
| US10 | Archives |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Take output from log | 4 | 3 |
| T02 | Develop python to summarise data in YAML | 4 | 3 |
|  | Story Points: 4 Total Hours: | 8 | 6 |

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| US23 | Client Installation & Connection |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Install GRR Client on Client computers of varying operating systems | 2 | 2 |
| T02 | Connect & test data collection | 2 | 2 |
|  | Story Points: 4 Total Hours: | 4 | 4 |

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| US22 | Elasticsearch Integration |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Install ES on Ubuntu server | 1 | 4 |
| T02 | Configure ES to function correctly | 4 | 2 |
| T03 | Create ES filters to read and manipulate logs and export to Kibana | 8 | 6 |
|  | Story Points: 16 Total Hours: | 13 | 12 |

# Release 3 Plan

Delivery date: 4th June, 2018 Total Story Points: 44

Writing and executing tests that provide quantitative feedback on the performance of the system.

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| Story ID | Story Title | Story Points |
| US11 | Tests | 16 |
| US8 | Notification | 4 |
| US16 | Privilege Monitoring | 8 |
| US17 | Host Monitoring | 8 |
| US21 | Cross Site Scripting Detection | 8 |
|  | Story Point Sub-Total: | 44 |

## Sprint 4 Plan

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| US11 | Tests |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Write/acquire YAML logs with test data | 2 |  |
| T02 | Write unit tests | 4 |  |
| T03 | Write Python to interrogate logs | 4 |  |
|  | Story Points: 16 Total Hours: | 10 |  |

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| --- | --- | --- |
| US8 | Notification |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 |  |  |  |
| T02 |  |  |  |
| T03 |  |  |  |
|  | Story Points: 4 Total Hours: |  |  |

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| --- | --- | --- |
| US16 | Privilege Monitoring |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Develop a flow that returns privileges of accounts | 4 |  |
| T02 | Visualise in Kabana as chart of accounts | 4 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

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| US17 | Host Monitoring |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Deploy the audit vault agent and Install the Host Monitor | 4 |  |
| T02 | Create a secured target for the Host-Monitored Database | 8 |  |
| T03 | Create an enforcement point in DAM mode | 8 |  |
| T04 | Create a NETWORK audit trail | 4 |  |
|  | Story Points: 8 Total Hours: | 24 |  |

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| US21 | Cross Site Scripting Detection |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Identify Cross-Site Scripting vulnerabilities | 4 |  |
| T02 | Write python to detect Cross-Site Scripting | 4 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

# Release 4

Delivery Date: 26th October, 2018 Total Story Points: 128

Contains user stories that further develop value of the project.

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| Story ID | Story Title | Story Points |
| US5 | Kibana Integration | 16 |
| US4 | Netstat | 32 |
| US24 | Installation Scripting | 32 |
| US18 | Malware Detection | 8 |
| US19 | Confidentially Breach Alert | 8 |
| US1 | GUI | 16 |
| US9 | Report Generation | 16 |
|  | Story Point Sub-Total: | 128 |

## Sprint 5 Plan

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| --- | --- | --- |
| US5 | Kibana Integration |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Install Kibana on Ubuntu server | 1 |  |
| T02 | Configure Kibana to function correctly | 4 |  |
| T03 | Import data from GRR to display | 8 |  |
|  | Story Points: 16 Total Hours: | 13 |  |

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| US4 | Netstat |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Develop a complete output from Netstat flow/hunt | 8 |  |
|  | Story Points: 32 Total Hours: | 8 |  |

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| US24 | Installation Scripting |  |

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| Task ID | Task Description | Estimate | Taken |
| T01 | Write Linux script to install and configure GRR | 8 |  |
| T02 | Write Linux script to install and configure Apache2 | 8 |  |
| T03 | Write Linux script to install and configure ELK Stack | 16 |  |
|  | Story Points: 32 Total Hours: | 32 |  |

## Sprint 6 Plan

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| --- | --- | --- |
| US1 | GUI |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Install Kibana as user interface | 8 |  |
| T02 | Generate kibana to GRR | 8 |  |
|  | Story Points: 16 Total Hours: | 16 |  |

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| US9 | Report Generation |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Write flows to collect data | 8 |  |
| T02 | Write Python to generate PDF report from data | 8 |  |
|  | Story Points: 16 Total Hours: | 16 |  |

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| US8 | Malware Detection |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 |  |  |  |
| T02 |  |  |  |
| T03 |  |  |  |
|  | Story Points: 8 Total Hours: |  |  |

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| --- | --- | --- |
| US19 | Confidentially Breach Alert |  |

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| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 |  |  |  |
| T02 |  |  |  |
| T03 |  |  |  |
|  | Story Points: 8 Total Hours: |  |  |