

Team Decided – Raft Consensus

Inception Iteration Plan 5 - Starting 07/05/2018

1. Key Milestones

Milestone	Date
Iteration Start	07/05/2018
Complete TDD for RaftNetworking Security	12/05/2018
Complete TDD for Raft-DistributedLog	12/05/2018
Complete TDD for Raft-NodeInfo	12/05/2018
Implement Raft Networking security	12/05/2018
Complete TDD for Raft Consensus + API	19/05/2018
Complete Raft Distributed Log Implementation	19/05/2018
Complete Raft Consensus Implementation	19/05/2018
Complete a functional demonstration prototype	19/05/2018
Confirm all integration and unit tests pass	19/05/2018
Iteration End	20/05/2018

2. High-level Objectives

ID	Objective	Date
1	Complete TDD for RaftNetworking Security	12/05/2018
2	Complete TDD for Raft-DistributedLog	12/05/2018
3	Complete TDD for Raft-NodeInfo	12/05/2018
4	Implement Raft Networking security	12/05/2018
5	Complete TDD for Raft Consensus + API	19/05/2018
6	Complete Raft Distributed Log Implementation	19/05/2018
7	Complete Raft Consensus Implementation	19/05/2018
8	Complete a functional demonstration prototype	19/05/2018
9	Confirm all integration and unit tests pass	19/05/2018

3. Evaluation Criteria

Obj. ID	Evaluation Criteria
1	Have completed TDD for RaftNetworking Security
2	Have complete TDD for Raft-DistributedLog
3	Have complete TDD for Raft-NodeInfo
4	Implemented Raft Networking Security, works as desired
5	Have complete TDD for Raft Consensus + API
6	Have completed Raft Distributed Log Implementation
7	Have completed Raft Consensus Implementation
8	Have completed a functional demonstration prototype
9	Confirmed all integration and unit tests pass

4. Work Item Assignments

State:

C – Complete

P – In Progress

W – Waiting to start

Work ID	Name or keywords	Outcome	State	Assigned to	Est (hrs)	Act (hrs)	Left (hrs)
1.1	Complete TDD for RaftNetworking Security		P	Joshua	6:00		
2.1	Complete TDD for Raft-DistributedLog		W	Sean	2:00		
3.1	Complete TDD for Raft-NodeInfo		W	Joshua	2:00		
4.1	Implement Raft Networking security		W	Joshua	5:00		
5.1	Complete TDD for Raft Consensus + API		W	Sean	20:00		
6.1	Complete Raft Distributed Log Implementation		W	Joshua	2:00		
7.1	Complete Raft Consensus Implementation		W	Sean	20:00		
8.1	Complete a functional demonstration prototype		W	Joshua	6:00		
9.1	Confirm all integration and unit tests pass	Including some cleanup	W	Sean	2:00		
Totals					65:00		

5. Issues

Issue	Status	Notes

6. Assessment

Assessment target	Inception Iteration 5	
Assessment date	20/05/2018	
Participants	All - Joshua and Sean	
Project status		
Assessment against objectives	Objective	Result
	Complete TDD for RaftNetworking Security	
	Complete TDD for Raft-DistributedLog	
	Complete TDD for Raft-NodeInfo	
	Implement Raft Networking security	
	Complete TDD for Raft Consensus + API	
	Complete Raft Distributed Log Implementation	
	Complete Raft Consensus Implementation	
	Complete a functional demonstration prototype	
	Confirm all integration and unit tests pass	