

Team Decided – Raft Consensus

Inception Iteration Plan 4 - Starting 23/04/2018

1. Key Milestones

Milestone	Date
Iteration Start	23/04/2018
Complete TDD for RaftNetworking + Security	28/04/2018
Complete TDD for Raft-DistributedLog	28/04/2018
Complete TDD for Raft-NodeInfo	28/04/2018
Complete TDD for Raft-Messages	28/04/2018
Complete design/diagramming/TDD for Raft Consensus + API	28/04/2018
Implement Raft Networking non-event driven	05/05/2018
Implement Raft Networking event driven	05/05/2018
Implement Raft Networking security	05/05/2018
Iteration End	06/05/2018

2. High-level Objectives

ID	Objective	Date
1	Complete TDD for RaftNetworking + Security	28/04/2018
2	Complete TDD for Raft-DistributedLog	28/04/2018
3	Complete TDD for Raft-NodeInfo	28/04/2018
4	Complete TDD for Raft-Messages	28/04/2018
5	Complete design/diagramming/TDD for Raft Consensus + API	28/04/2018
6	Implement Raft Networking non-event driven	05/05/2018
7	Implement Raft Networking event driven	05/05/2018
8	Implement Raft Networking security	05/05/2018

3. Evaluation Criteria

Obj. ID	Evaluation Criteria
1	Have completed the TDD for RaftNetworking + Security
2	Have completed the TDD for Raft-DistributedLog
3	Have completed the TDD for Raft-NodeInfo
4	Have completed the TDD for Raft-Messages
5	Have completed the design/diagramming/TDD for Raft Consensus + API
6	Have completed the Raft Networking non-event driven code
7	Have completed the Raft Networking event driven code
8	Have completed the Raft Networking security code

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		W	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	Complete TDD for Raft-Messages		W	Sean	4:00		
5.1	Complete design/diagramming/TDD for Raft Consensus + API		P	Joshua	8:00		
6.1	Implement Raft Networking non-event driven		W	Sean	6:00		
7.1	Implement Raft Networking event driven		W	Sean	4:00		
8.1	Implement Raft Networking security		W	Joshua	8:00		
Totals					40:00		

5. Issues

Issue	Status	Notes

6. Assessment

Assessment target	Inception Iteration 4	
Assessment date	05/05/2018	
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	
	Complete TDD for Raft-Messages	
	Complete design/diagramming/TDD for Raft Consensus + API	
	Implement Raft Networking non-event driven	
	Implement Raft Networking event driven	
	Implement Raft Networking security	
Work items		
Other concerns and deviations		

