

Project manager

Project dates

Sep 19, 2016 - Dec 24, 2016

Completion

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Tasks

95

Resources

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Tasks

Name	Begin date	End date
Roadster	9/19/16	12/23/16
Inception	9/19/16	9/29/16
estimated schedule	9/19/16	9/19/16
init documentation	9/19/16	9/22/16
setup project management	9/19/16	9/29/16
define scope	9/19/16	9/20/16
understand requirements	9/22/16	9/24/16
asses & analyze risks	9/22/16	9/25/16
set priorities	9/19/16	9/19/16
Elaboration 1	9/26/16	10/16/16
plan project	9/26/16	9/26/16
define time tracking activity - hashtag	9/26/16	9/26/16
change structure	9/26/16	9/26/16
Integrate requirements	9/26/16	9/27/16
describe zmq	9/28/16	9/29/16
design persistence synchronization model	9/30/16	10/3/16
design single & multi level HA	9/30/16	10/4/16
desig cluster protocol	9/30/16	10/2/16
describe initial situation roadster	10/2/16	10/2/16
design key distribution model	10/3/16	10/5/16
design OPC-UA HA interface	10/3/16	10/3/16
plan testing infrastructure	10/3/16	10/14/16
write use cases	10/4/16	10/5/16
integrate risks	10/6/16	10/6/16
adjust requirements	10/6/16	10/9/16
adjust HA approach	10/7/16	10/12/16
write documentation	10/8/16	10/16/16
Elaboration 2	10/17/16	10/27/16
recheck risks	10/17/16	10/17/16

Tasks

Name	Begin date	End date
plan project phase	10/17/16	10/17/16
get familiar with roadster	10/20/16	10/25/16
set up auto build of documentation	10/27/16	10/27/16
port roadster to cztop	10/21/16	10/21/16
implement OPC-UA HA interface	10/22/16	10/22/16
set up auto build of documentation	10/20/16	10/27/16
recheck risks	10/23/16	10/23/16
implement secure socket communication prototype	10/22/16	10/24/16
implement HA prototype	10/21/16	11/8/16
implement federation prototype	10/21/16	11/6/16
setup test environment - CI	10/18/16	11/13/16
Elaboration 3	10/30/16	11/6/16
recheck risks	10/30/16	10/30/16
interim tasks from elaboration 2	10/30/16	11/6/16
Construction 1	11/7/16	11/25/16
plan phase	11/7/16	11/7/16
interim tasks from elaboration 2	11/7/16	11/13/16
Ruby coding style	11/7/16	11/8/16
Federation CSP	11/7/16	11/21/16
System test: Federation	11/13/16	11/13/16
System test: DIM extension	11/15/16	11/15/16
System test: Autonomy	11/17/16	11/17/16
System test: Message routing	11/18/16	11/18/16
implementation federation	11/7/16	11/13/16
Ignore update reflections	11/13/16	11/13/16
log when subnode unreachable	11/13/16	11/13/16
Fix CSP in WebUI	11/14/16	11/14/16
Fix case handling on foreign node	11/15/16	11/15/16
extend acl session check	11/9/16	11/9/16

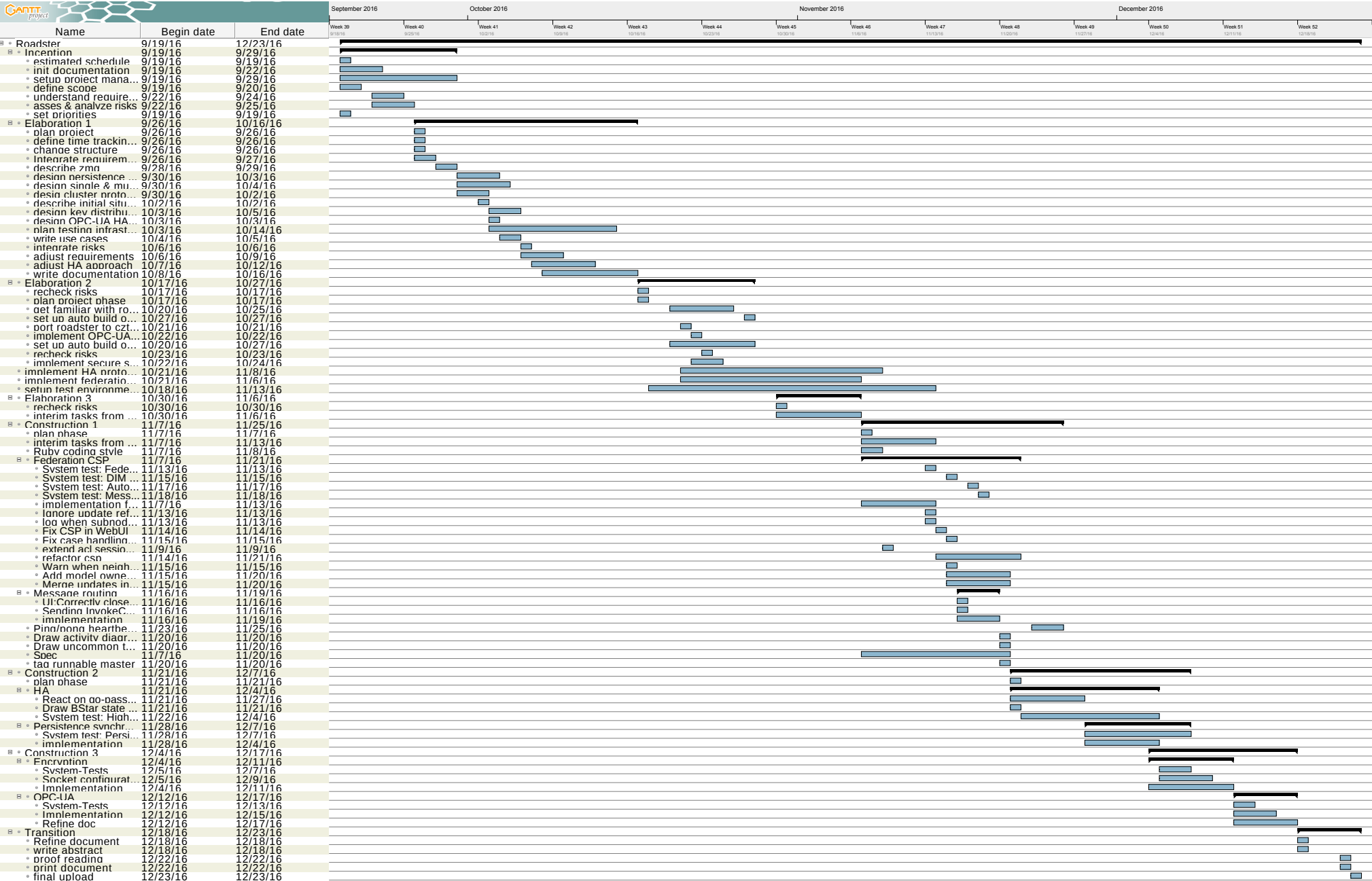
Tasks

Name	Begin date	End date
refactor csp	11/14/16	11/21/16
Warn when neighbor node unreachable	11/15/16	11/15/16
Add model ownership	11/15/16	11/20/16
Merge updates intelligently	11/15/16	11/20/16
Message routing	11/16/16	11/19/16
UI:Correctly close Case	11/16/16	11/16/16
Sending InvokeCommandRequest from Webui foreign node	11/16/16	11/16/16
implementation	11/16/16	11/19/16
Ping/pong heartbeating	11/23/16	11/25/16
Draw activity diagram for Downstream engine	11/20/16	11/20/16
Draw uncommon topologies	11/20/16	11/20/16
Spec	11/7/16	11/20/16
tag runnable master	11/20/16	11/20/16
Construction 2	11/21/16	12/7/16
plan phase	11/21/16	11/21/16
HA	11/21/16	12/4/16
React on go-passive/go-active events	11/21/16	11/27/16
Draw BStar state machine diagram	11/21/16	11/21/16
System test: High availability	11/22/16	12/4/16
Persistence synchronization	11/28/16	12/7/16
System test: Persistence synchronization	11/28/16	12/7/16
implementation	11/28/16	12/4/16
Construction 3	12/4/16	12/17/16
Encryption	12/4/16	12/11/16
System-Tests	12/5/16	12/7/16
Socket configuration	12/5/16	12/9/16
Implementation	12/4/16	12/11/16
OPC-UA	12/12/16	12/17/16

Tasks

Name	Begin date	End date
System-Tests	12/12/16	12/13/16
Implementation	12/12/16	12/15/16
Refine doc	12/12/16	12/17/16
Transition	12/18/16	12/23/16
Refine document	12/18/16	12/18/16
write abstract	12/18/16	12/18/16
proof reading	12/22/16	12/22/16
print document	12/22/16	12/22/16
final upload	12/23/16	12/23/16

Gantt Chart



Resources Chart

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Name		Defa...		9/18/16		9/25/16		10/2/16		10/9/16		10/16/16		10/23/16		10/30/16		11/6/16		11/13/16		11/20/16		11/27/16		12/4/16		12/11/16		12/18/16	