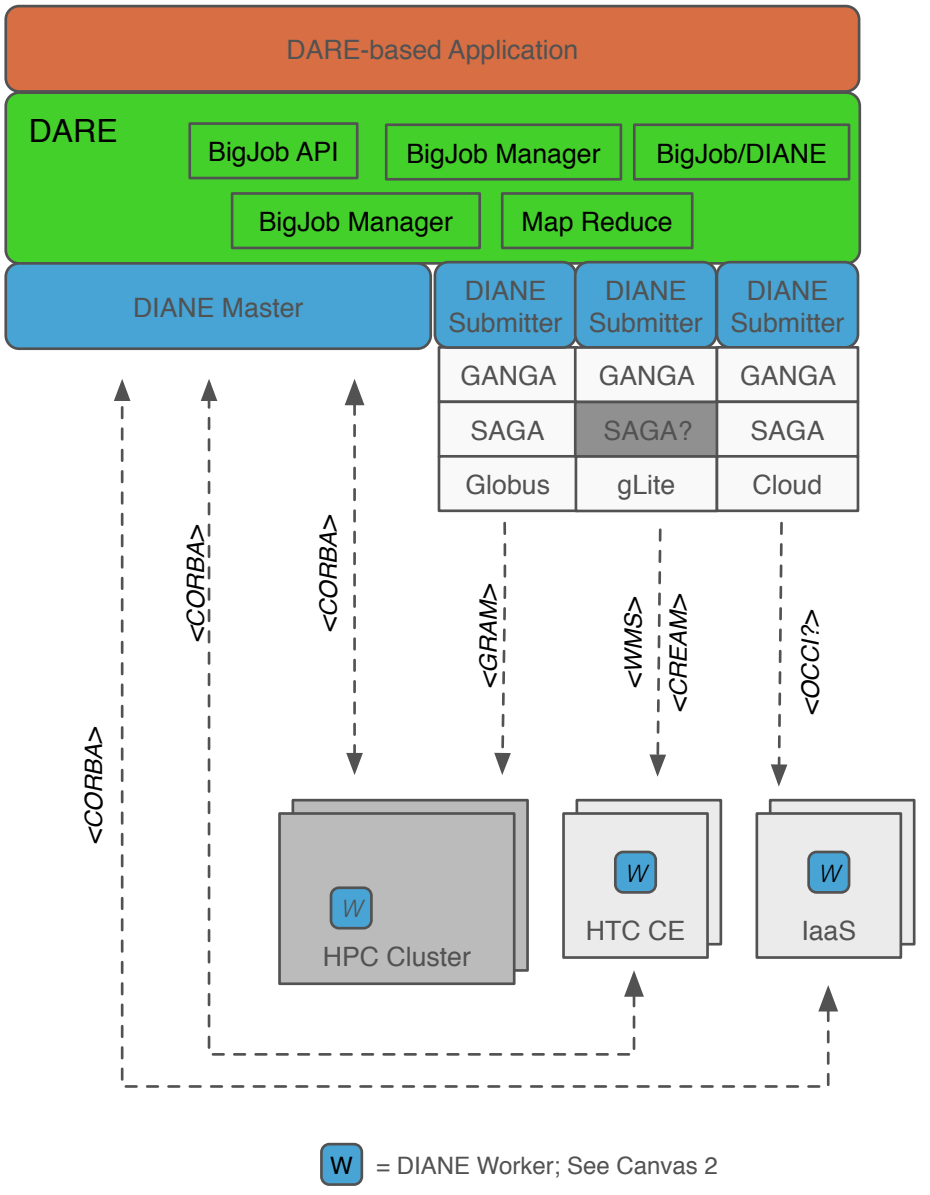
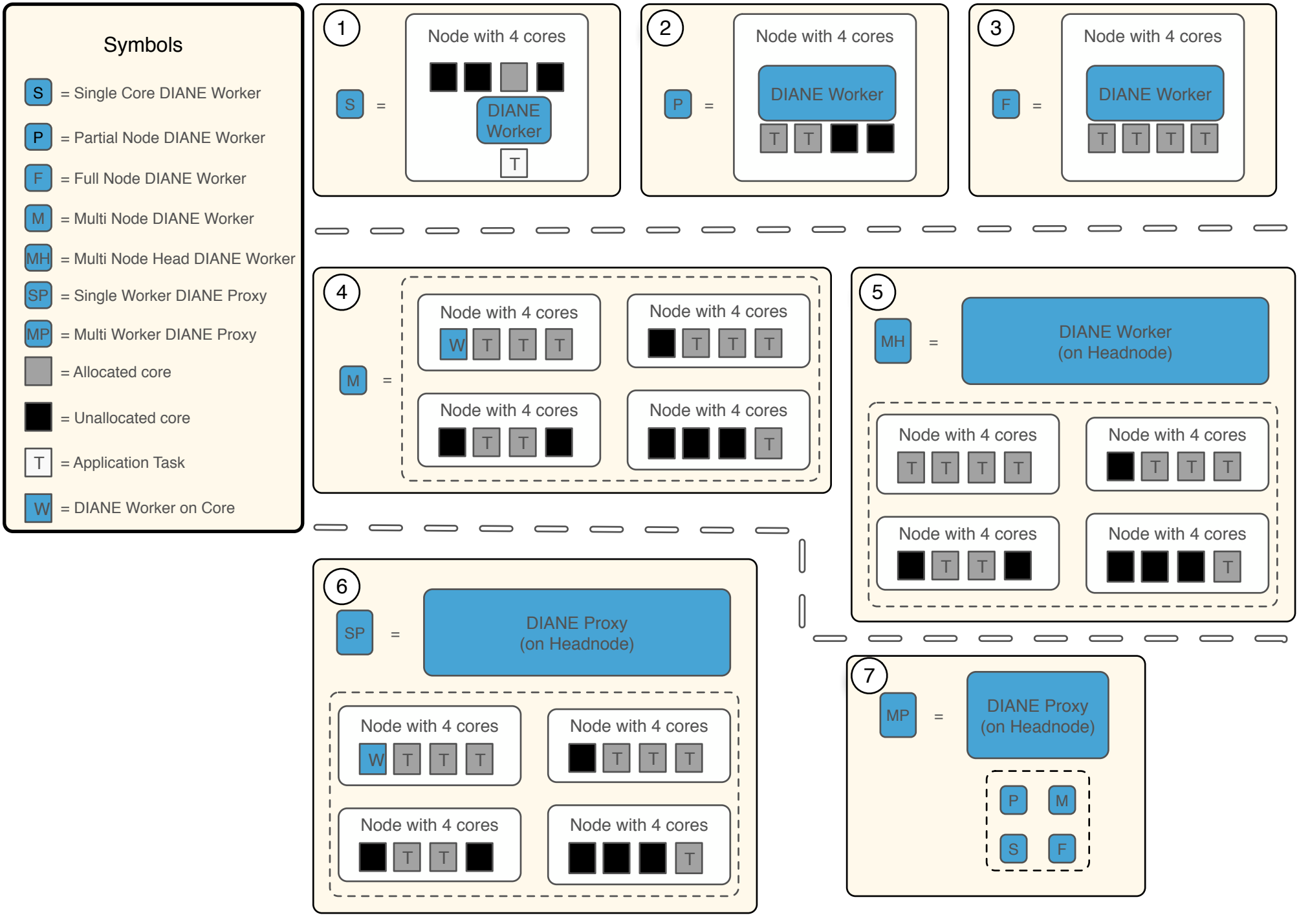
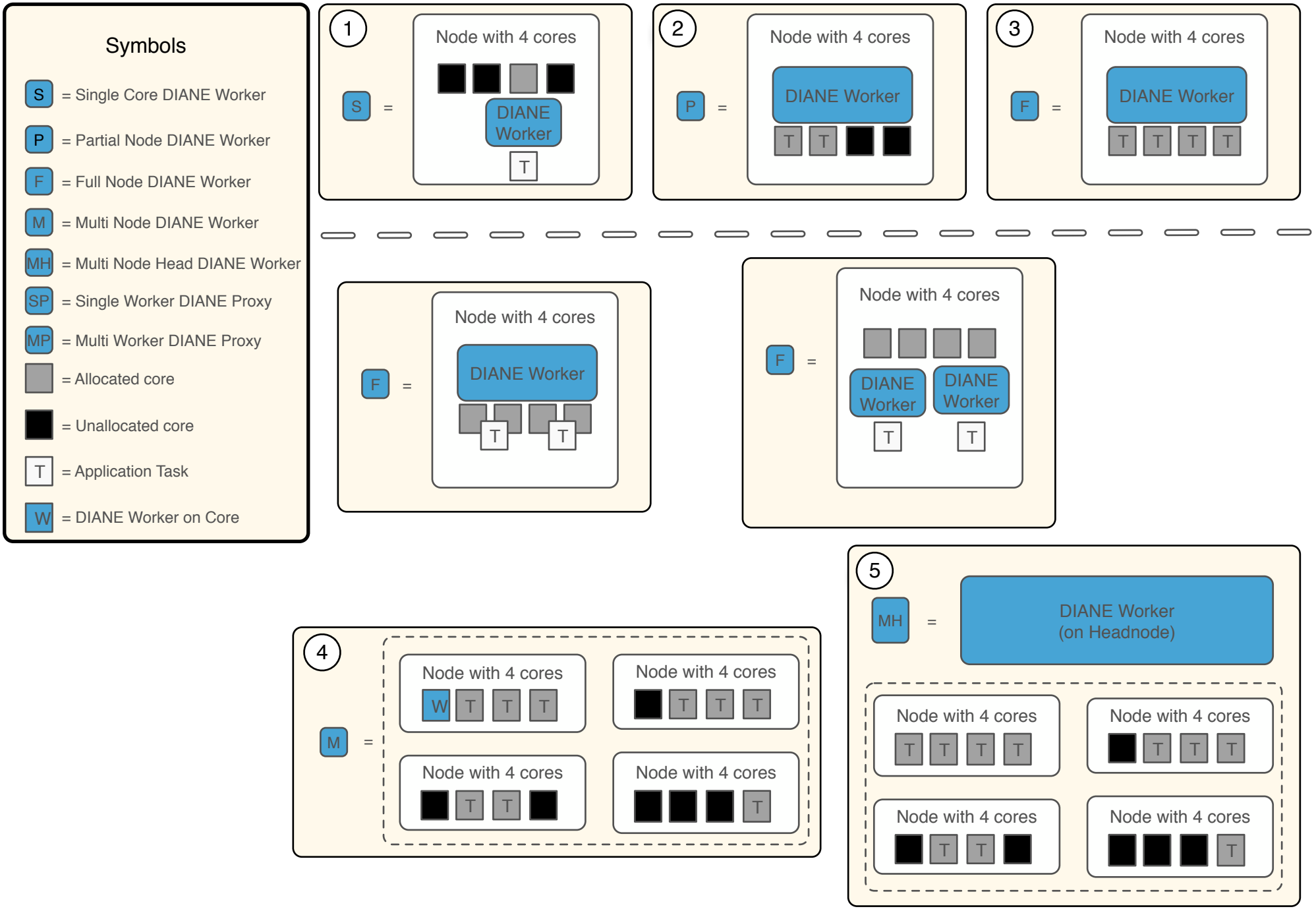
DARE Framework with BigJob/DIANE




Symbols
S = Single Core DIANE Worker
P = Partial Node DIANE Worker
F = Full Node DIANE Worker
M = Multi Node DIANE Worker
MH = Multi Node Head DIANE Worker
SP = Single Worker DIANE Proxy
MP = Multi Worker DIANE Proxy
= Allocated core
= Unallocated core
T = Application Task
W = DIANE Worker on Core
1
S =
Node with 4 cores
DIANE Worker
T
2
P =
Node with 4 cores
DIANE Worker
T T
3
F =
Node with 4 cores
DIANE Worker
T T T T
4
M =
Node with 4 cores
W T T T
Node with 4 cores
T T T
Node with 4 cores
T T
Node with 4 cores
T
5
MH =
DIANE Worker
(on Headnode)
Node with 4 cores
T T T T
Node with 4 cores
T T T
Node with 4 cores
T T
Node with 4 cores
T
6
SP =
DIANE Proxy
(on Headnode)
Node with 4 cores
W T T T
Node with 4 cores
T T T
Node with 4 cores
T T
Node with 4 cores
T
7
MP =
DIANE Proxy
(on Headnode)
P
M
S
F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T T
4
M =
Node with 4 cores
W T T T
Node with 4 cores
T T T
Node with 4 cores
T T
Node with 4 cores
T
5
MH =
DIANE Worker (on Headnode)
Node with 4 cores
T T T T
Node with 4 cores
T T T
Node with 4 cores
T T
Node with 4 cores
T

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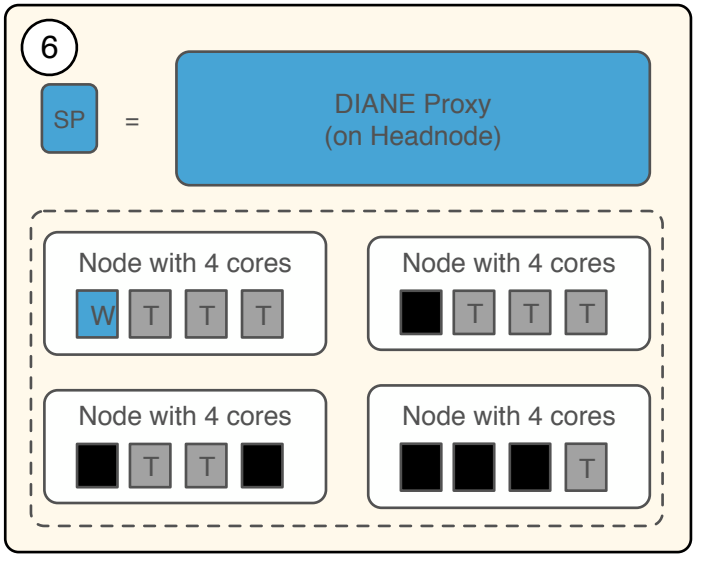
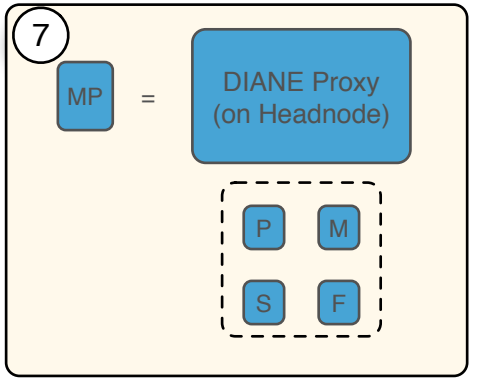
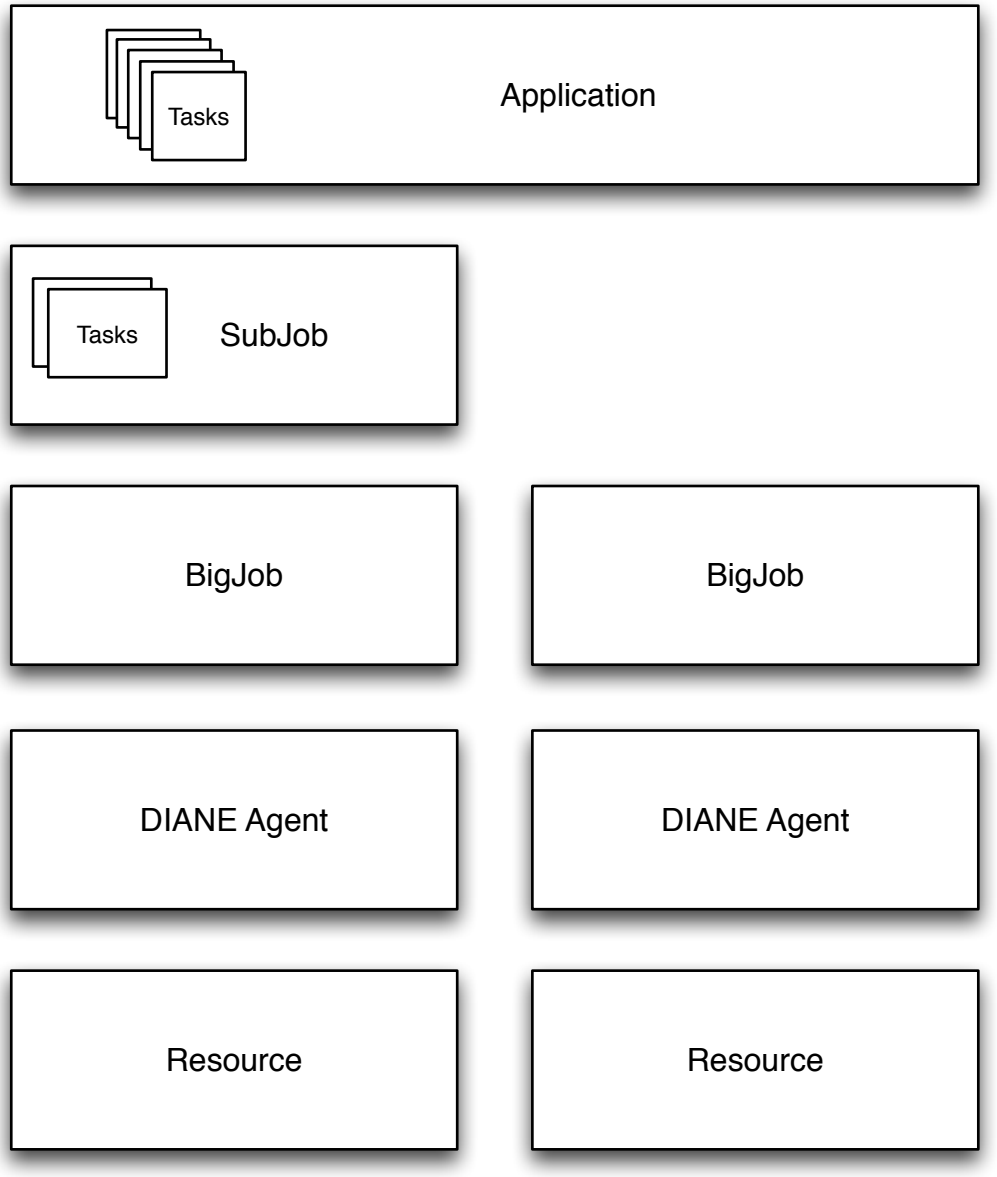
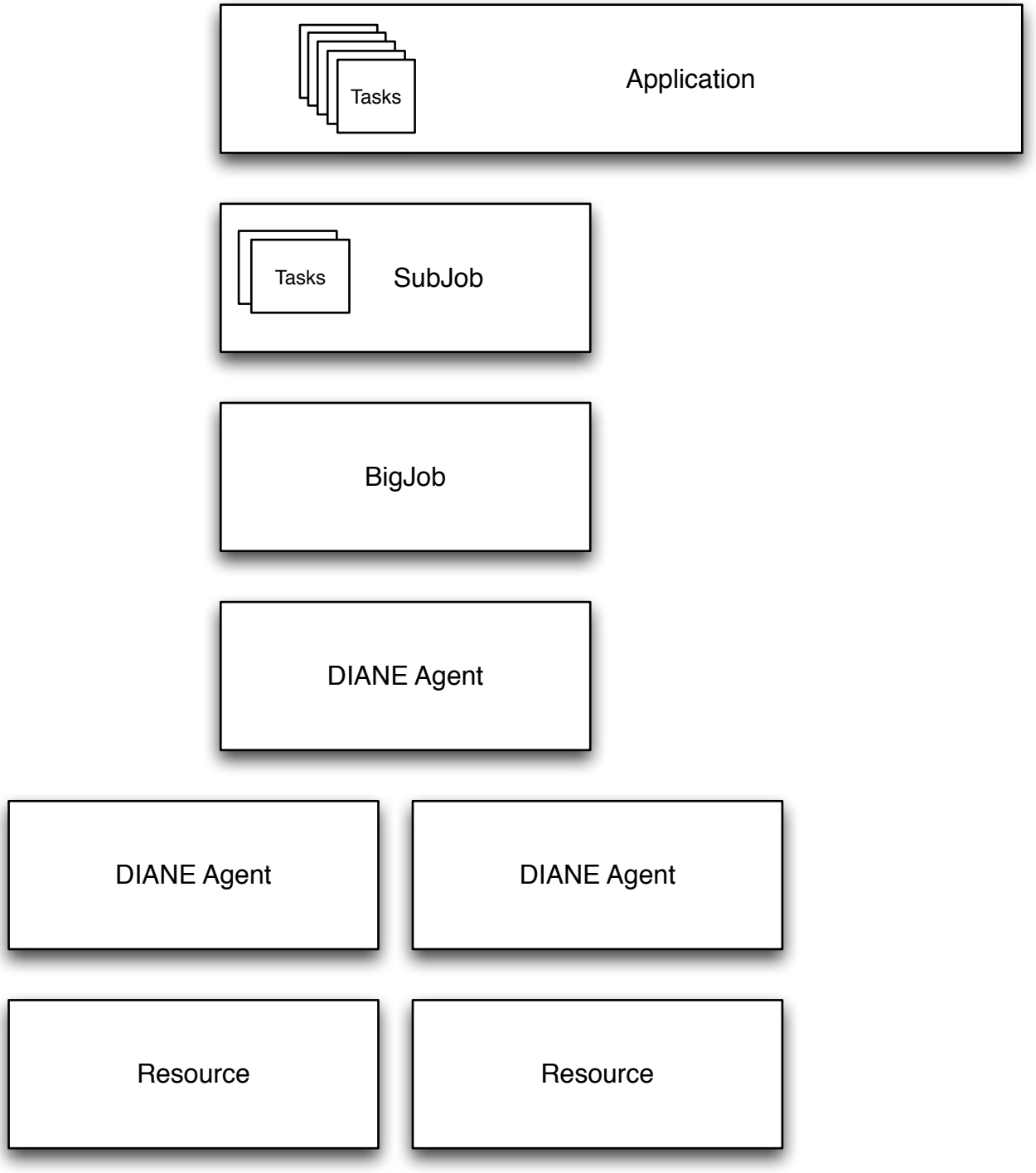





Tasks
Application
Tasks
SubJob
BigJob
BigJob
DIANE Agent
DIANE Agent
Resource
Resource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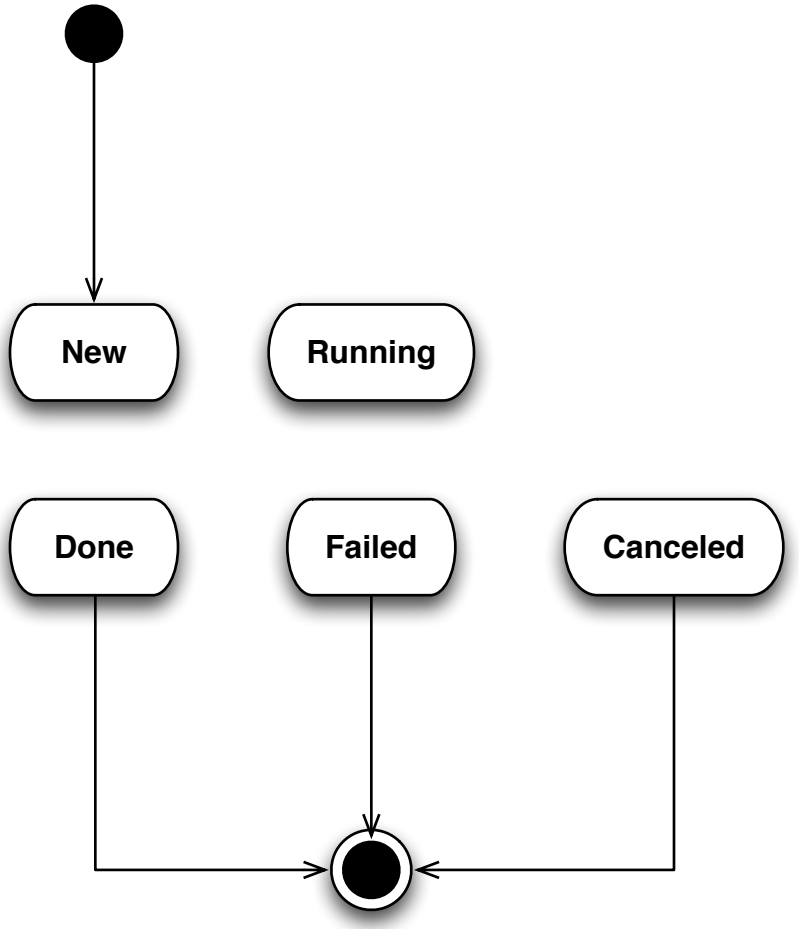
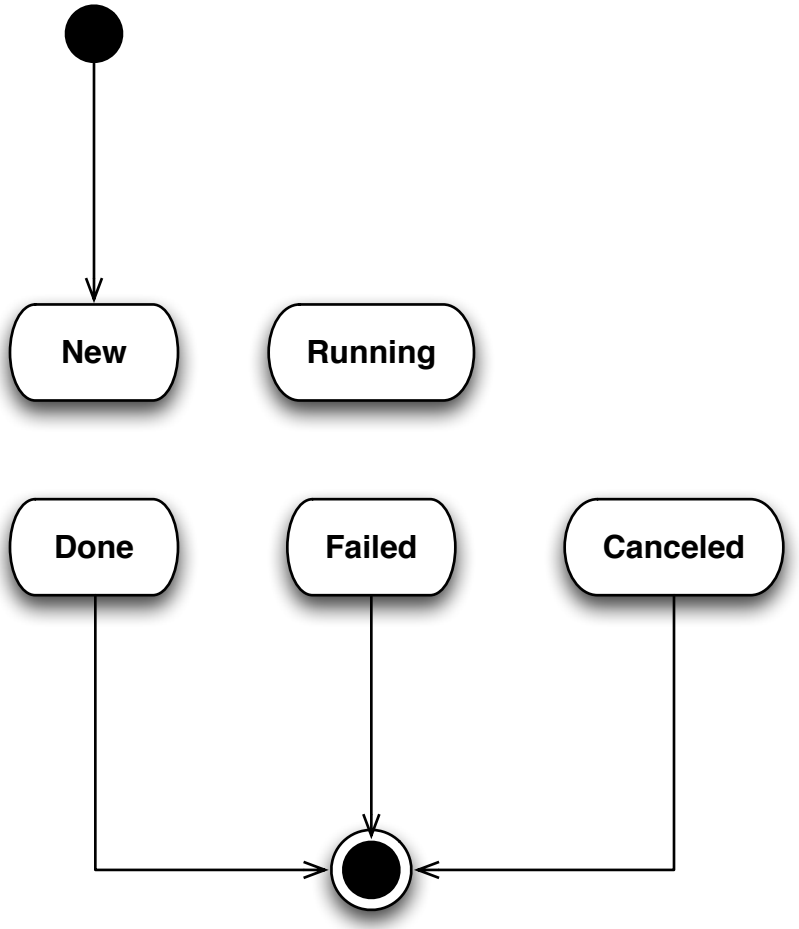
Application
Tasks
SubJob
BigJob
DIANE Agent
DIANE Agent
DIANE Agent
Resource
Resource


New
Running
Done
Failed
Canceled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