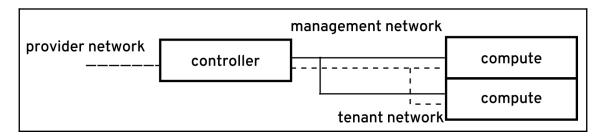
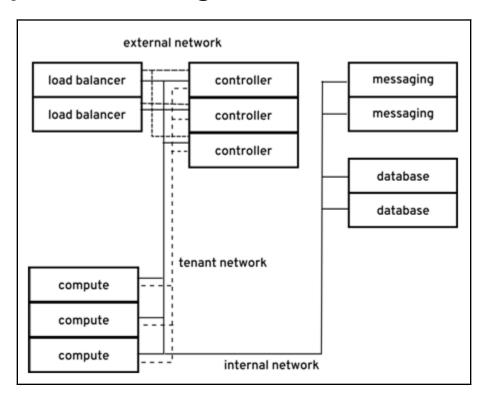
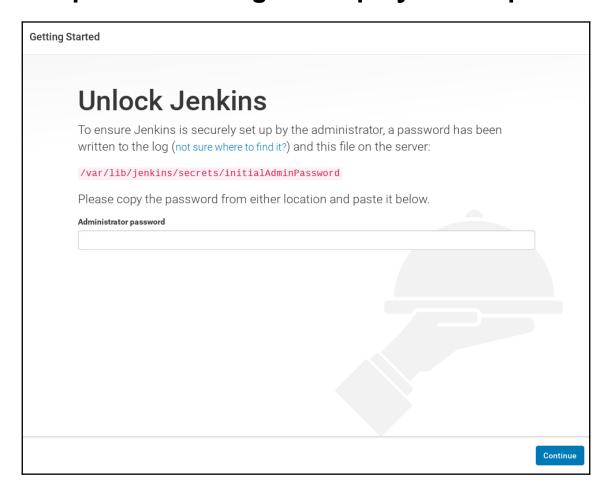
# **Chapter 2: Architecting the Cloud**

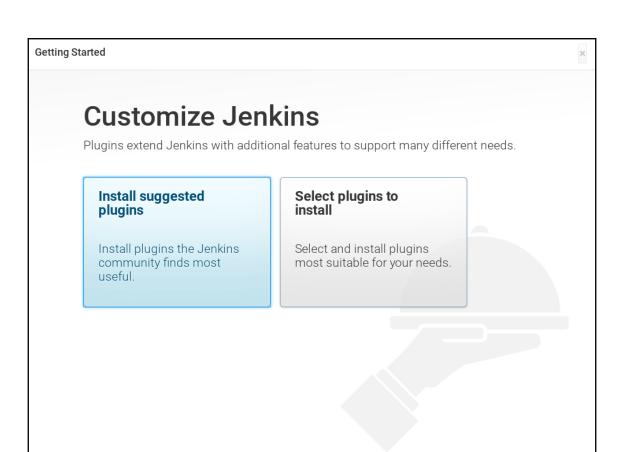


### **Chapter 3: Planning for Failure and Success**



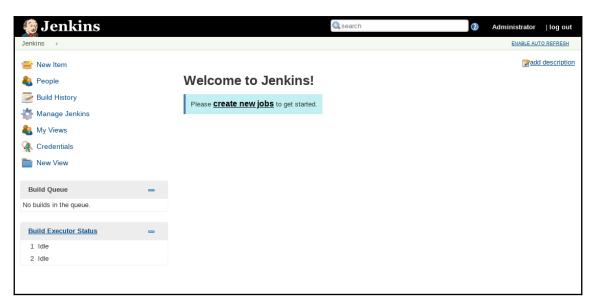
### **Chapter 4: Building the Deployment Pipeline**

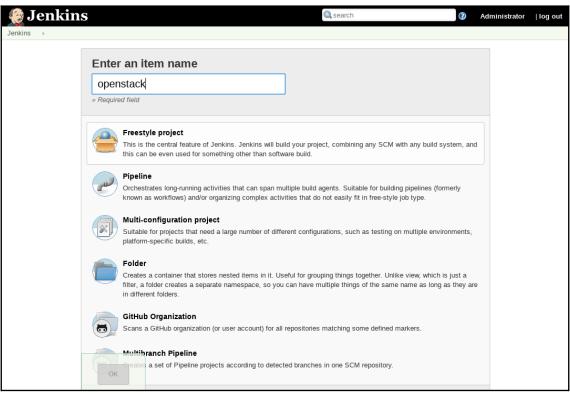


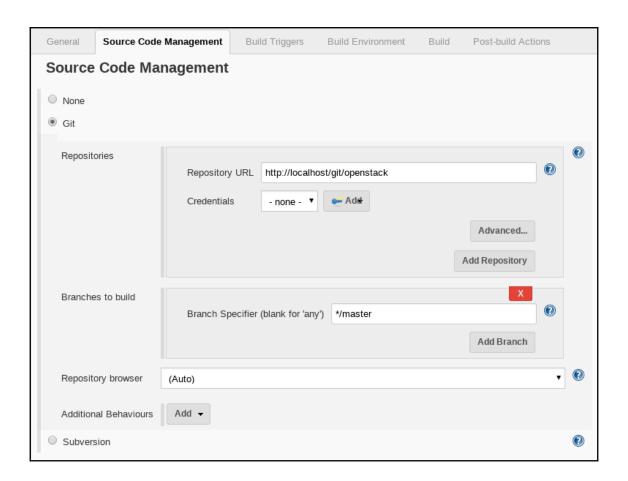


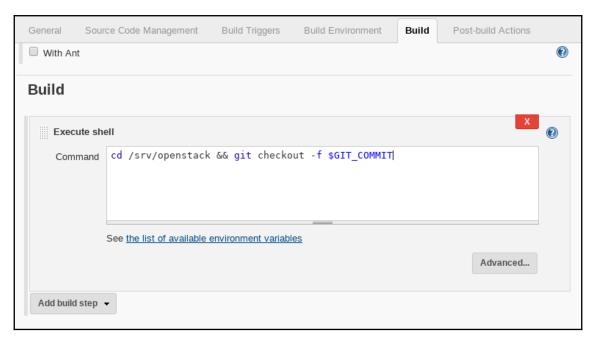
Jenkins 2.124

Creat	e First	Admiı	า User	
Username:	admin			
Password:	•••••			
Confirm password:	•••••			
Full name:	Administrator			
E-mail address:	admin@localhost			



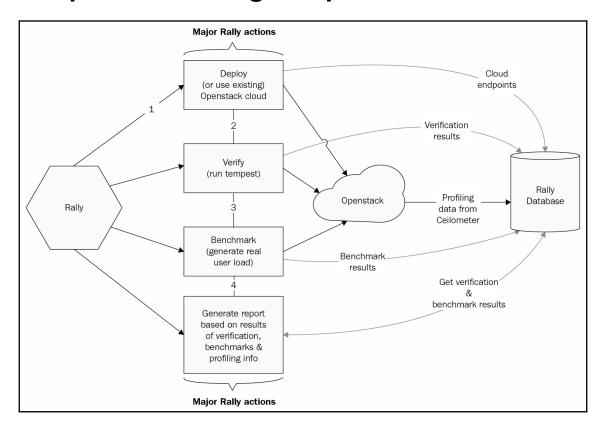


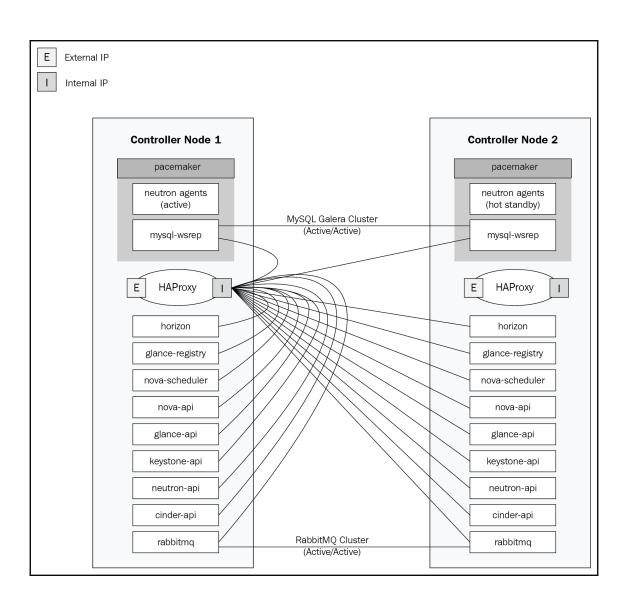


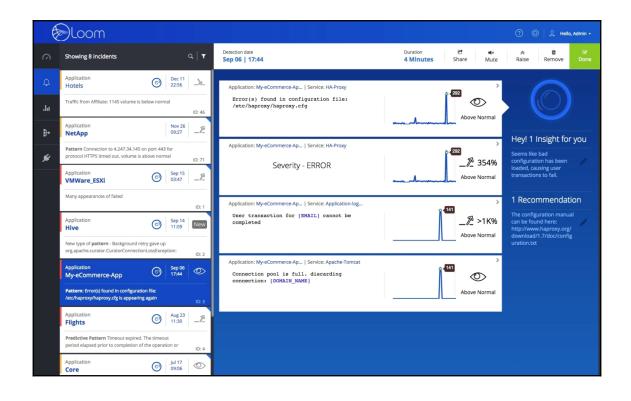


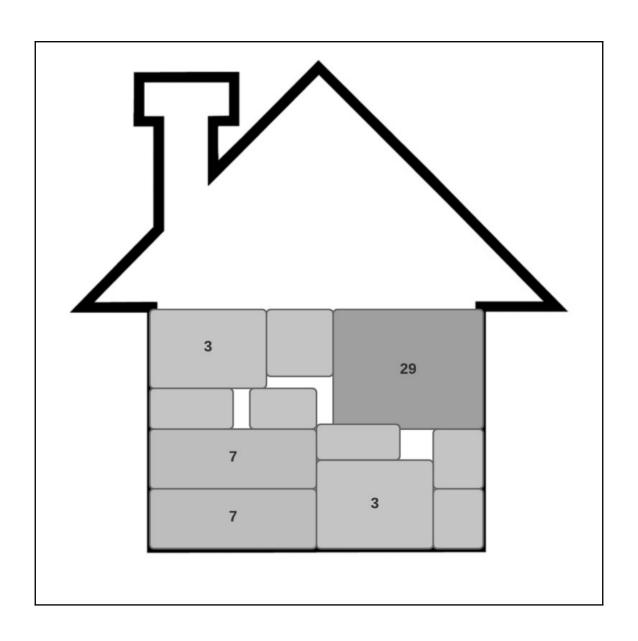


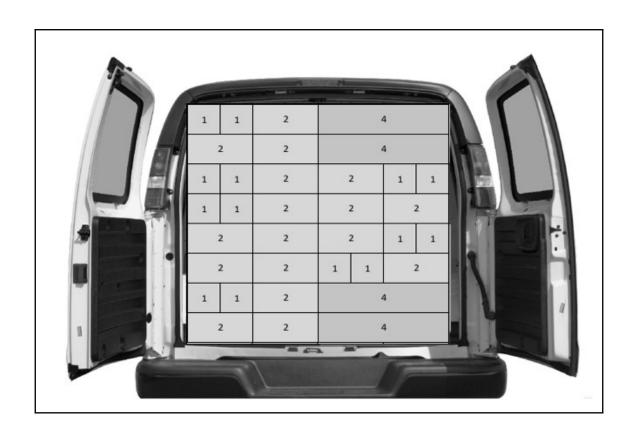
# **Chapter 5: Building to Operate**







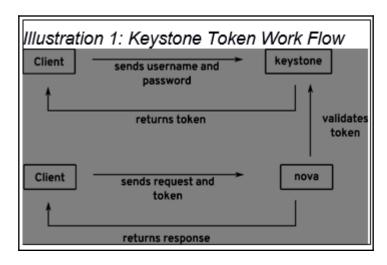


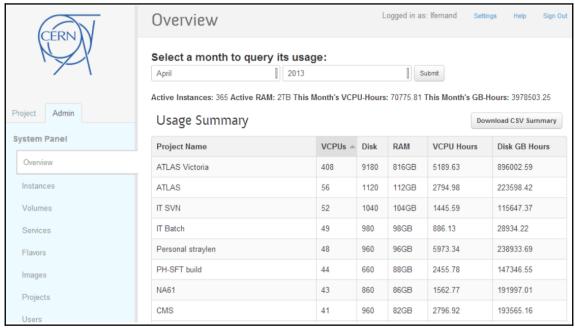


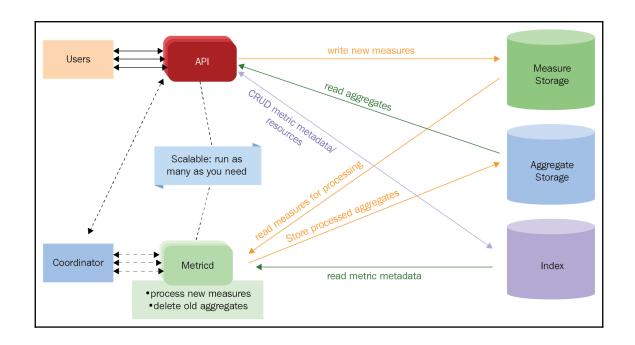
COMPUTE SERVER - 192GB RAM - 2 X 2643 INTEL CPU (96 vCPUs @ 8:1 OverSub)								
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s	s			М	М			
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**OS Reserved CPU** 

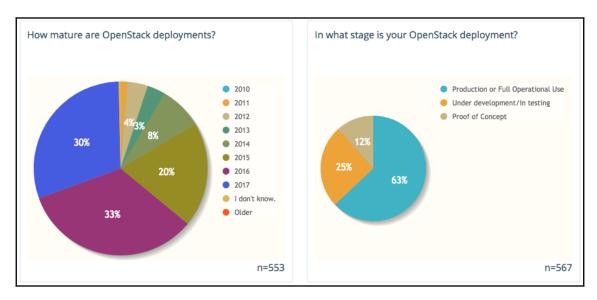
#### **Chapter 6: Integrating the Platform**

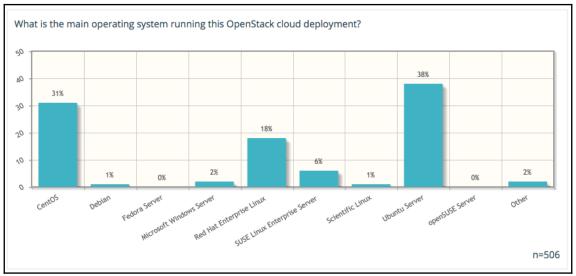






# **Chapter 7: Securing the Cloud**

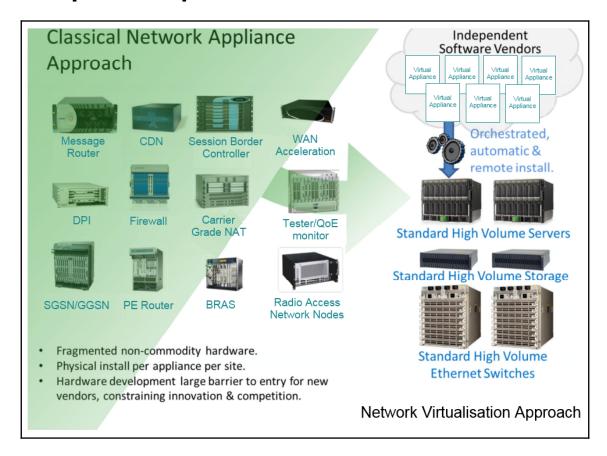


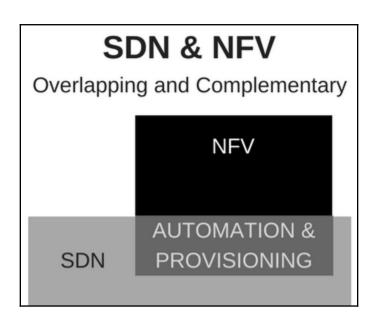


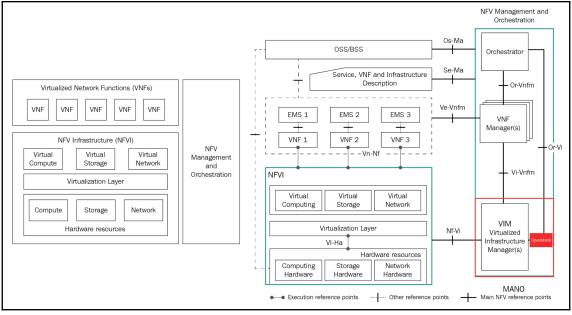
Model Component	CADF Definition
OBSERVER	The RESOURCE that generates the CADF Event Record_based on its observation (directly or indirectly) of the Actual Event.
INITIATOR	The RESOURCE that initiated, originated, or instigated the event's ACTION, according to the OBSERVER.
ACTION	The operation or activity the INITIATOR has performed, attempted to perform or has pending against the event's TARGET, according to the OBSERVER.
TARGET	The RESOURCE against which the ACTION of a CADF Event Record was performed, was attempted, or is pending, according to the OBSERVER.  Note: a TARGET (in the CADF Event Model) can represent a plurality of target resources.
OUTCOME	The result or status of the ACTION against the TARGET, according to the OBSERVER.

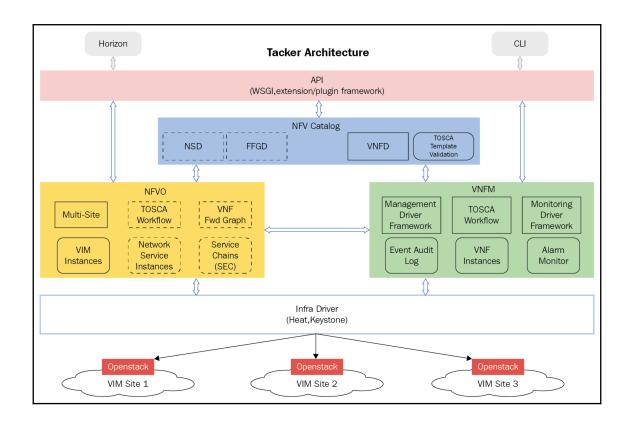
"W" Component	CADF Mandatory Properties	CADF Optional Properties (where applicable)	Description
What	event.action event.outcome event.type	event.reason (e.g., severity, reason code, policy id)	"what" activity occurred; "what" was the result
When	event.eventTime	reporter.timestamp (detailed), for each reporter event.duration	"when" did it happen  • Any granularity via ISO 8601 format
Who	initiator.id initiator.type	initiator.id (id, name): (basic) initiator.credential (token): (detailed) initiator.credential.assertions (precise)	"who" (person or service) initiated the action
FromWhere		initiator.addresses (basic) initiator.host (agents, platforms,) (detailed) Initiator.geolocation (precise)	FromWhere provides information describ ing where the action was initiated from.  May include Iogical/physical addresses ISO-6709-2008, precise geolocations
OnWhat	target.id target.type		"onWhat" resource did the activity target
Where	observer.id observer.type	reporterstep.role (detailed) reporterstep.reporterTime (detailed)	"where" did the activity get observed (reported), or modified in some way.
ToWhere		target.addresses (basic) target.host (agents, platforms,) (detailed) target.geolocation (precise)	ToWhere provides information describing where the target resource that is affected by the action is located.  For example, this can be as simple as an IP address or server name.

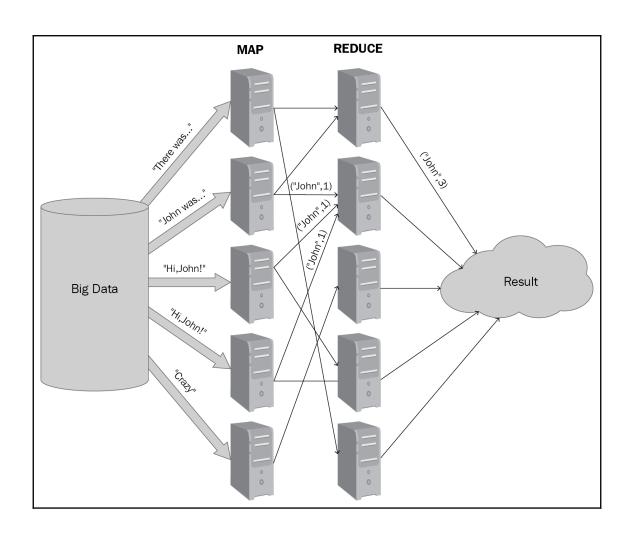
#### **Chapter 8: OpenStack Use Cases**

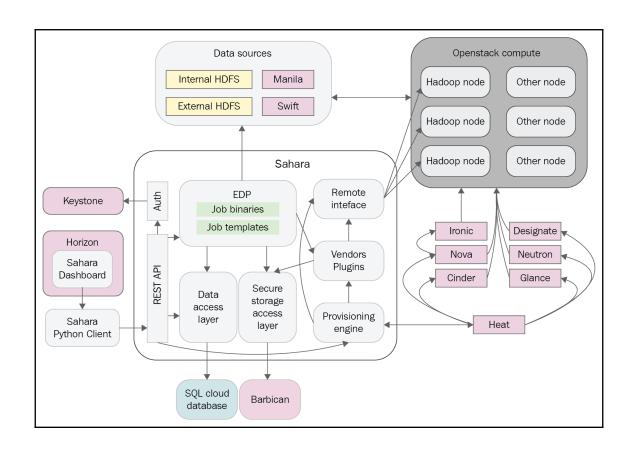


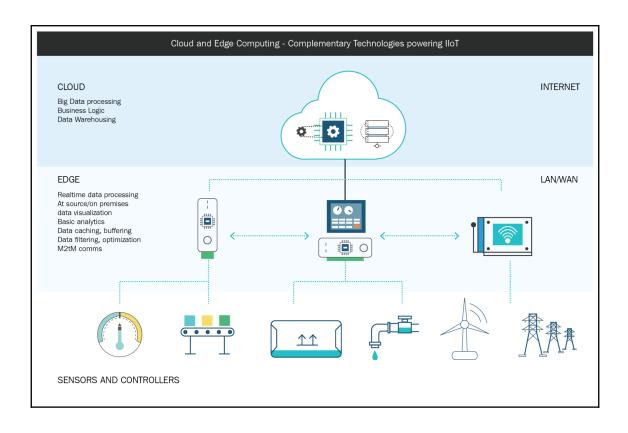




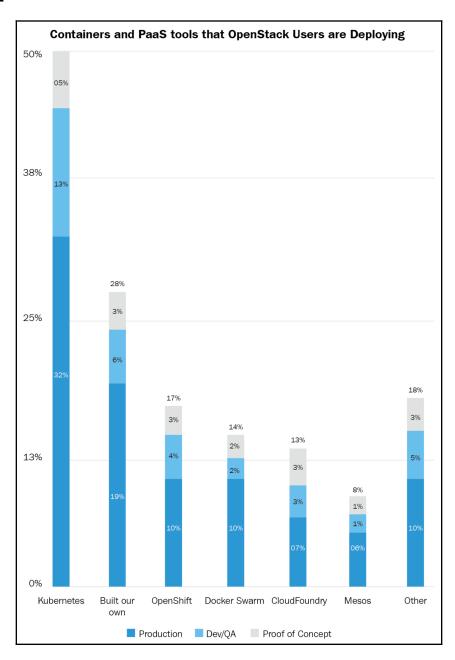


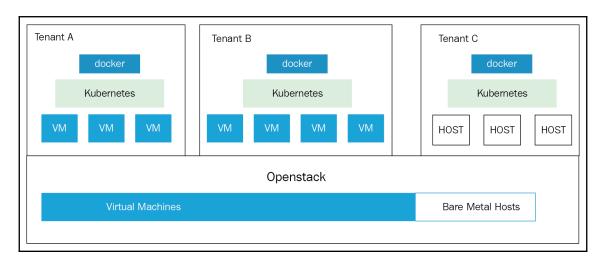


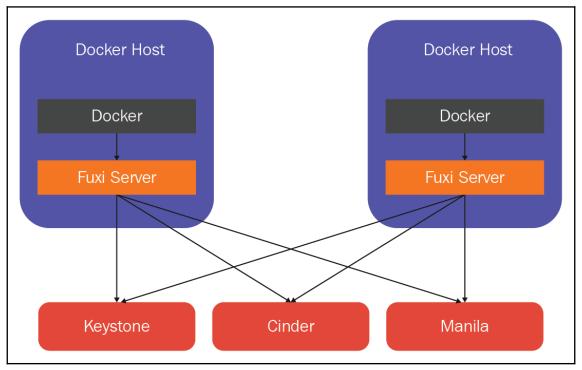


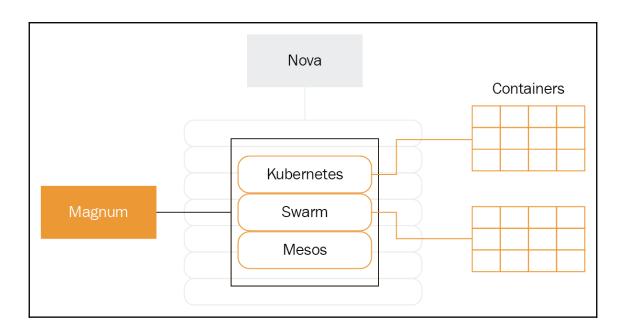


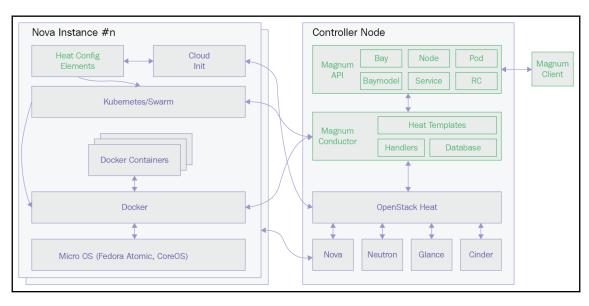
# **Chapter 9: Containers**

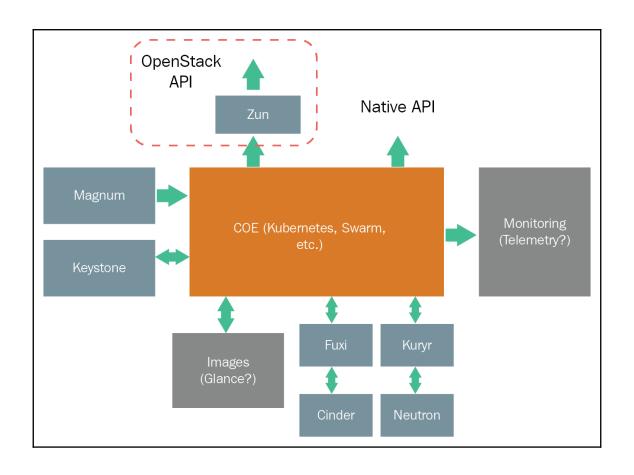












# **Chapter 10: Conclusion**

