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H3C

The Leader in Digital Solutions

13,000+
Employees

7,100+
Patents

40,000,000
Running
Devices

100+
countries
and
Regions

700+ CASES IN PRIVATE CLOUD

National Level
Government Cloud

10+

Education Cloud

200+

Municipal Level
Government Cloud

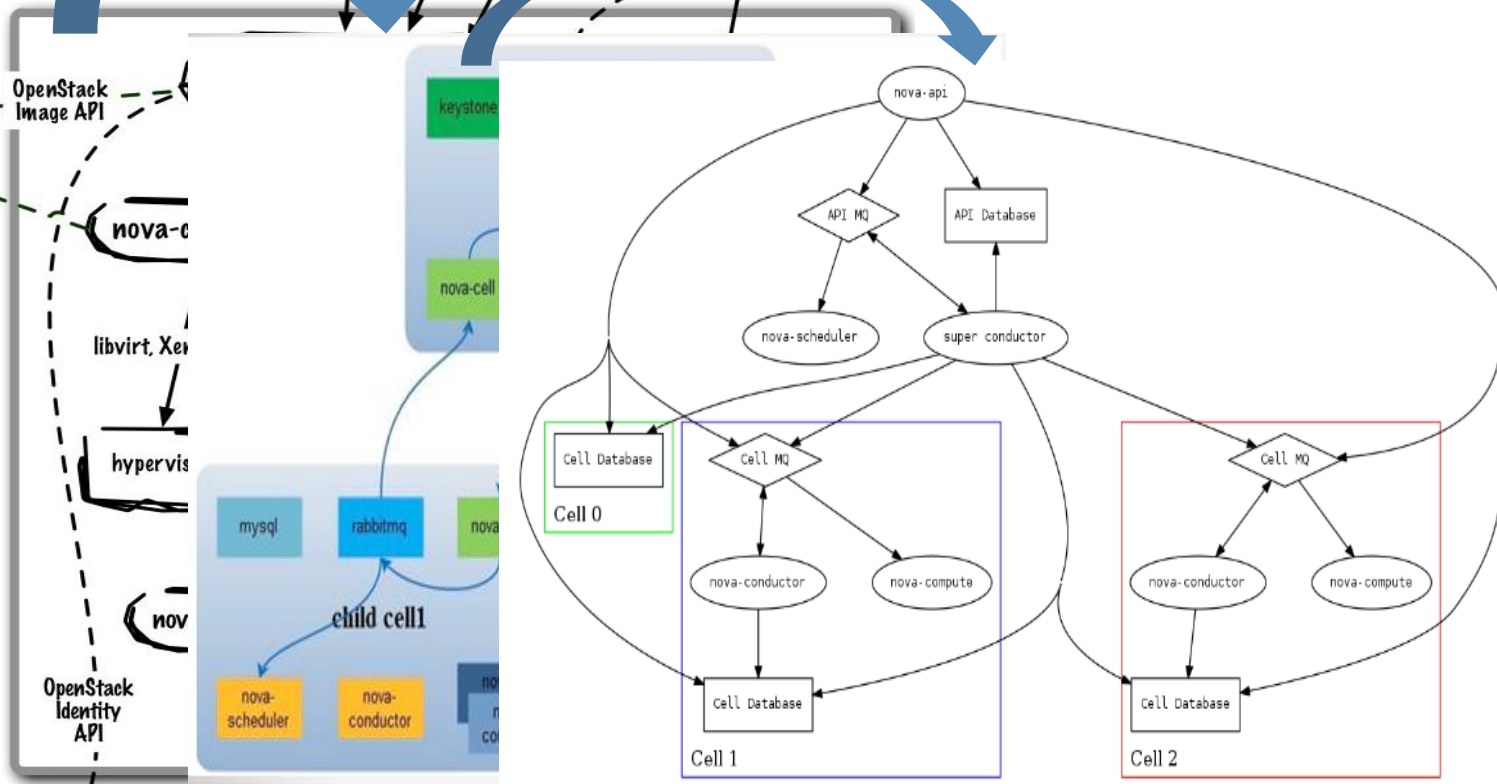
200+

Provincial Level
Government Cloud

19

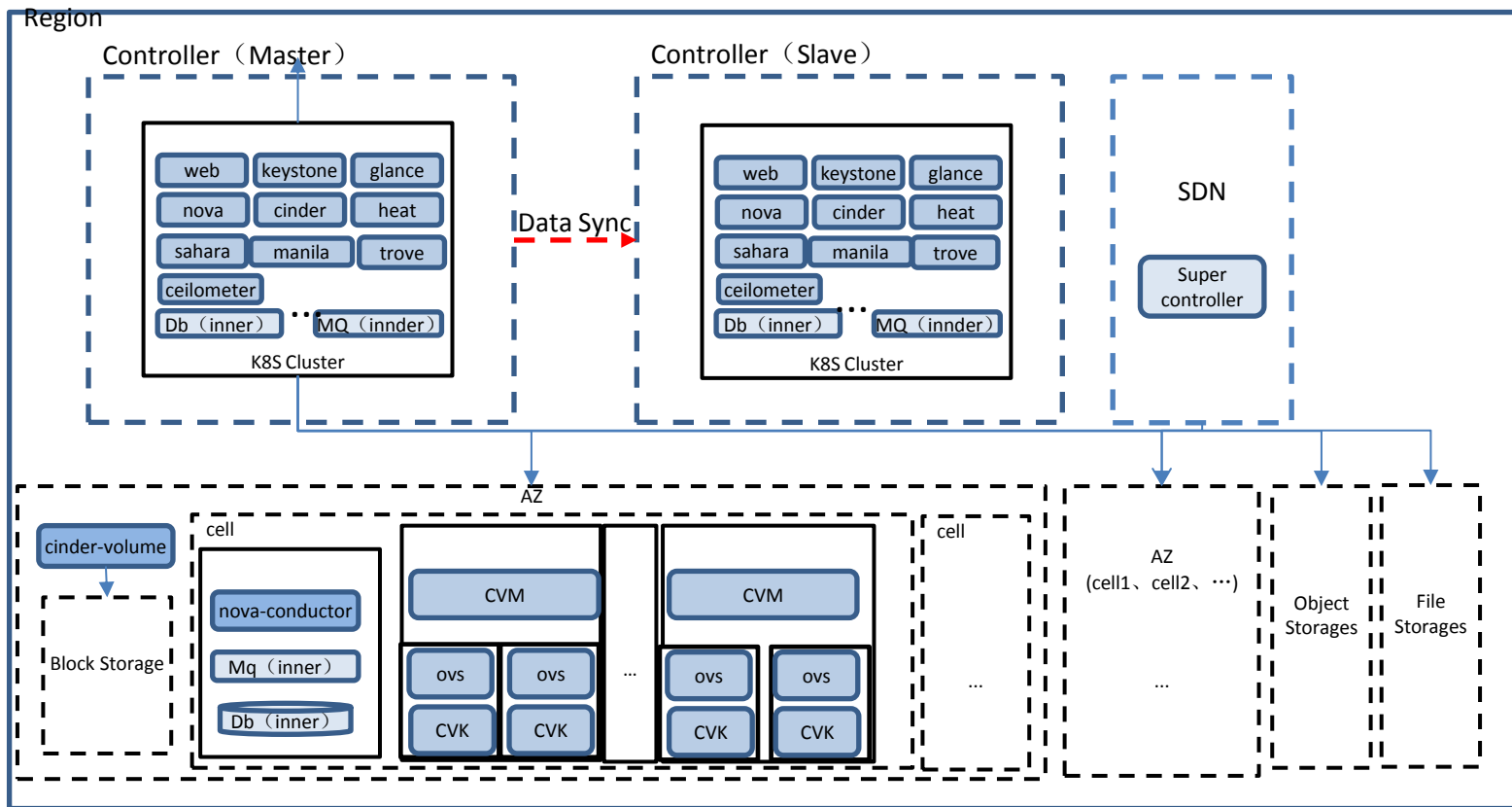
Others
300+

Introduction to Cellv2



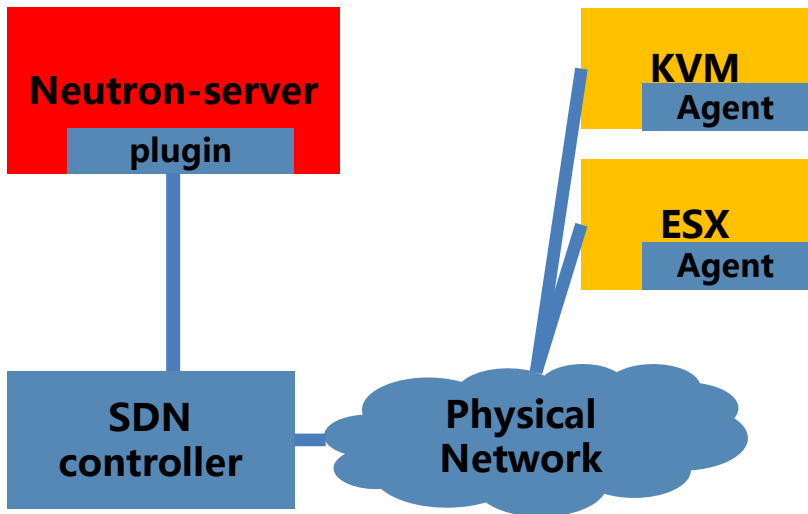
Cellv2 vs Cascading

	Cellv2	Cascading
Performance	High, one level api means one level authentication	Low, multi level api means multi level authentication
scalability	Horizontal scale up	Vertical and horizontal scale up
Interoperability	Standard OpenStack Interface	Standard OpenStack Interface, but if Nova add some new feature, upper Nova should be modified to support it
Openness	Cellv2 is a part of Nova which is active	Cascading is a source open project which is accepted by community partly and is not active as Nova Cellv2
Maintainability	Large-grained	Little-grained
Function	Cellv2 care about only compute,	Cascading care about compute, networking, storage

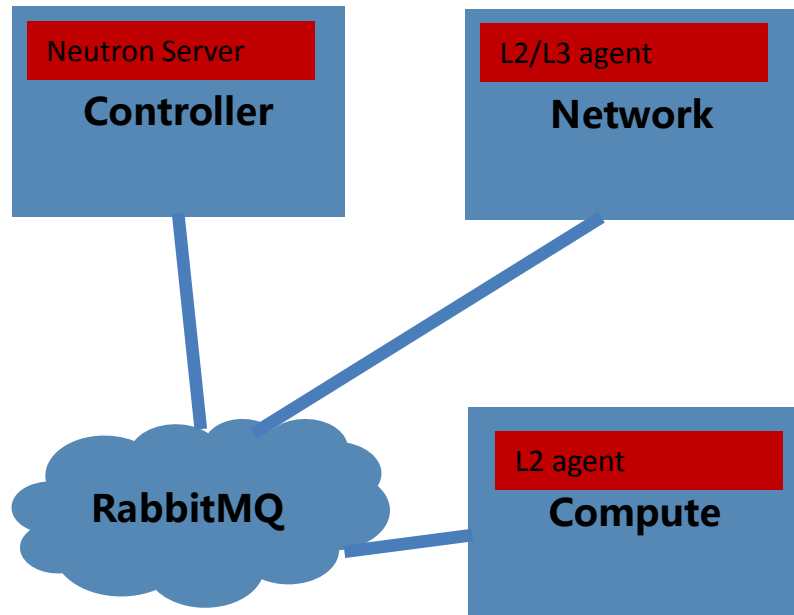


* CVK is our virtualization product based on KVM

Private SDN vs OpenVSwitch



VS



Optimization

- **1.Database**
- Separate read request from write request
- **2.Parameter optimization**
- Number of Processes
- Number of DB Connection
- **3.Integrated with virtualization scheduler**
- **4.Scheduler optimization**

Cellv2 limitation

- 跨Cell迁移
- 查询Instance性能[Queens版本解决]
- Upcall问题[部分问题在Queens版本解决]

Thank You

