

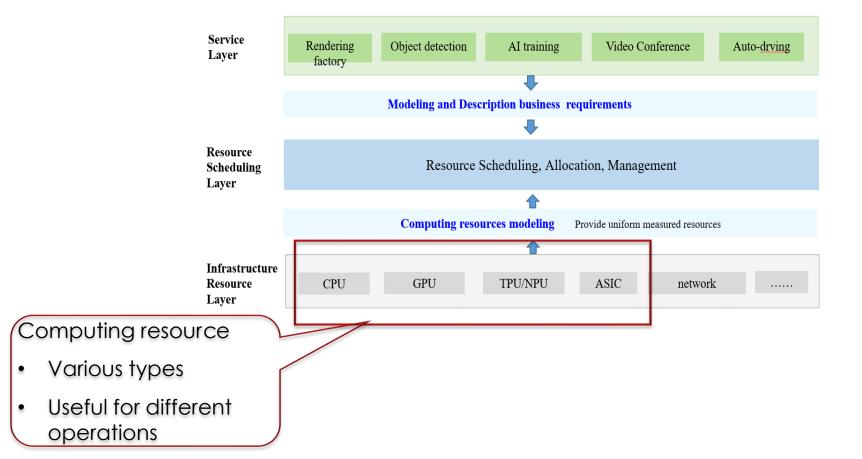
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Computing and Networking Metrics

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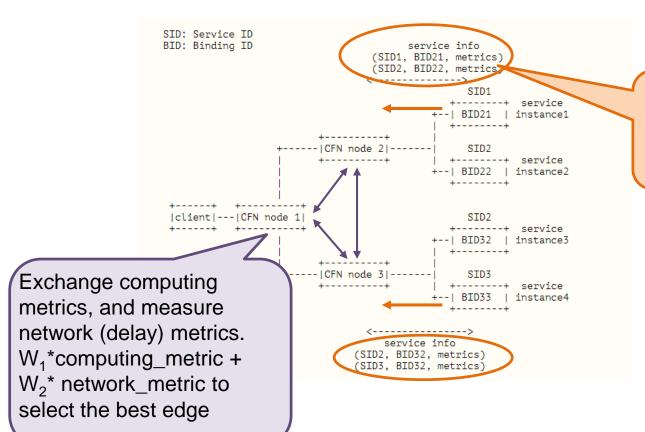
Computing and Networking Metrics



Typical computing and networking metrics

- Computing metrics
 - CPU utilization
 - GPU utilization
 - Computing consumption time
 - Number of connections / capacity
- Networking metrics
 - Path latency
 - Path bandwidth

An example to represent the computing load information



Use the average computing consumption time as computing metrics. Update to CFN node

Requirements to CFN-dyncast on metrics representation

- Able to carry an integrated computing metric, could be single value
 - W₁*computing_metric + W₂* network_metric

 Preferably flexible to be extended to carry multi-dimensional computing metrics, could be key-value pairs

key	value
CPU utilization	
GPU utilization	
# of connection/max	
Job completion time	





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THANK YOU!