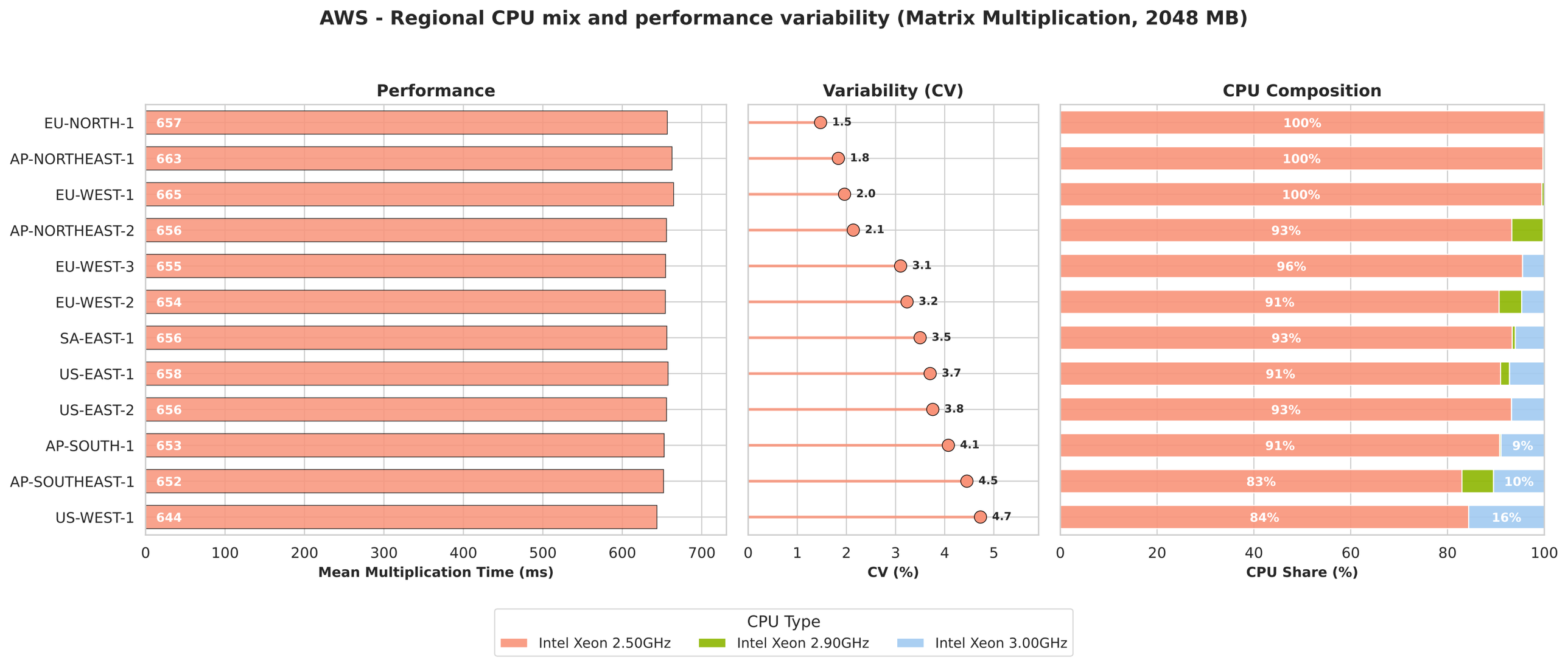
AWS - Regional CPU mix and performance variability (Matrix Multiplication, 2048 MB)
Performance
Variability (CV)
CPU Composition
EU-NORTH-1
AP-NORTHEAST-1
EU-WEST-1
AP-NORTHEAST-2
EU-WEST-3
EU-WEST-2
SA-EAST-1
US-EAST-1
US-EAST-2
AP-SOUTH-1
AP-SOUTHEAST-1
US-WEST-1
657
663
665
656
655
654
656
658
656
653
652
644
1.5
1.8
2.0
2.1
3.1
3.2
3.5
3.7
3.8
4.1
4.5
4.7
100%
100%
100%
93%
96%
91%
93%
91%
93%
91%
9%
83%
10%
84%
16%
0
100
200
300
400
500
600
700
Mean Multiplication Time (ms)
0
1
2
3
4
5
CV (%)
0
20
40
60
80
100
CPU Share (%)
CPU Type
Intel Xeon 2.50GHz
Intel Xeon 2.90GHz
Intel Xeon 3.00GHz