Delivered as infrastructure as a service, and leveraging best-of-breed technology from partners such as Intel and HP CenturyLink® HPC solutions provide financial services firms with an enterprise-grade platform to cost-effectively and efficiently perform computationally-intensive tasks.

HPC solutions are part of CenturyLink’s integrated suite of analytics platforms, which includes Hadoop-based Big Data workloads, and HyperScale high-performance server instances offered through the CenturyLink Cloud platform.

Key Benefits of CenturyLink’s HPC solutions include:

- **Scalability** – Our dynamic Infrastructure-as-a-Service model allows you to scale as business needs dictate;
- **Efficiency** – Avoid significant capex and ongoing maintenance and depreciation, on what is often under-utilized infrastructure, by moving to a pay-as-you-use opex model;
- **Flexibility** – Optional technology refresh can be built-in to commercials with an option to migrate existing server hardware into a fully leased solution;
- **Agility** – Respond to strategic business needs more quickly by significantly reducing provisioning lead times for what is often commoditized infrastructure;
- **Extensibility** – Additional IT infrastructure services — such as network connectivity, utility storage, backup & restore and managed security — can be utilized on an as-needed basis, such as compliance requirements emanating from regulatory oversight;
- **Cost-Effectiveness** – Lower total cost of ownership (TCO) through CenturyLink’s economies of scale and avoiding hardware procurement & provisioning, software installation & maintenance, etc.
**Example HPC Configurations and Indicative Pricing**

HPC configurations can be tailored to your specific requirements, however generally consist of:
- HP Form Factor chassis (e.g. SL230) with 1 Gig, or optional 10 Gig, uplink
- High-end Intel chips (e.g. Haswell chip set E5-2660v3)
- 600 Gb 10K, or optional SSD, drives, optional Flash module caches
- 4Gb per core (95 watts power draw) with RDIMM, or optional 8Gb per core (115 watts) with UDIMM
- Juniper or Cisco Top of Rack and aggregation switches
- Optional Graphics Processing Units

Pricing depends on agreed configurations, specifications and quantities, with the following examples indicative and subject to change:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Term</th>
<th>Monthly Charges</th>
<th>Per Core / Per Hour*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3 racks @ 1440 cores = 4,320 cores</td>
<td>36 months</td>
<td>USD $78,950</td>
<td>USD $0.0254</td>
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<tr>
<td>• 4 Gig memory per core</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>• Resilient environment</td>
<td></td>
<td></td>
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<tr>
<td>• Cage install &amp; security</td>
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<td></td>
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<tr>
<td>• 1 TOR Switch per rack</td>
<td></td>
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<tr>
<td>• 2 TOR 10 Gig uplinks per switch</td>
<td></td>
<td></td>
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<tr>
<td>• Shared HAN Ports &amp; Cabling</td>
<td></td>
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<tr>
<td>• Cage install &amp; security</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 1 TOR Switch per rack</td>
<td>36 months</td>
<td>USD $591,135</td>
<td>USD $0.0272</td>
</tr>
<tr>
<td>• 2 TOR 10 Gig uplinks per switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Dedicated HAN Ports &amp; Cabling</td>
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</tbody>
</table>

* Equivalent core / hour pricing, not additional to listed charges.

Rates exclude any applicable taxes, fees, surcharges, installation and activation fees.

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**CenturyLink Business HPC Terms and Conditions**

The following terms and conditions apply:
- Grid environment installed in CenturyLink managed space (client-dedicated cage, blade enclosure and server hardware, option of private or shared network);
- HPC Solutions include space, power, rack, servers, cabling capex and opex, HP Integrated Lights-Out (iLO) access, Hosted Area Network (HAN) ports and managed operating system;
- Minimum term commitment of 12 months;
- USD pricing for deployment in CenturyLink facilities in USA;
- Client maintains control of Grid algorithms, has iLO access to servers and has option of image distribution;
- Any variances to above, or add-on services, requires customized pricing.

For more information visit [www.centurylink.com/enterprise](http://www.centurylink.com/enterprise).

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