Monetizing Network Infrastructure with Multi-Tenant Access

A number of carriers globally are facing a common situation:

• Seeking new, steady revenue streams
• Monetizing spare switch capacity
• Justifying CAPEX for larger switching platforms to reduce per-call costs

Network operators looking for new revenue streams can leverage their infrastructure assets and operational resources by utilizing a unique integration of BlueWater Software from Orca Wave with the Dialogic® ControlSwitch™ System and Dialogic® BorderNet™ 4000 Session Border Controller (SBC).

With the BlueWater Software, the network operator can support partitioning of its underlying ControlSwitch System and BorderNet 4000 SBC to provide multi-tenant access to virtual softswitch and SBC infrastructure resources. The BlueWater Software isolates each partition customer from the others and provides a secure access point to the underlying switching and SBC resources allocated to those customers. Thus, very specific switching ports, capacity and routing plans can be managed by the network operator and assigned specifically to each of the partition customers. The network operator will get statistics on:

• Minutes of Use (MOU) and traffic by each partition customer (for billing by MOUs), and
• Concurrent Peak calls by hour/ by day for each partition customer (for billing by Peak Call Usage)

In conjunction with the switch capacity and port allocation, each partition customer receives a unique BlueWater Software assignment, so that the partition customer has no reason or requirement to have direct access to the underlying switching platform. The network operator of the ControlSwitch System or BorderNet 4000 SBC maintains control over their network infrastructure and can determine how much port capacity is available for partitioning and for use by each partition customer. In addition, the BlueWater Software can be hosted at the network operator’s switch site, the partition customer’s site or in Orca Wave’s data center.
Field Proven Combination

The BlueWater Software infrastructure partitioning solution has been successfully deployed by Dialogic customers in production environments. With the combined Orca Wave and Dialogic solution, network operators are delivering secure, multi-tenant virtual network infrastructure offerings that include reporting, customer rating, intelligent routing, alarming and billing services to customers as an add-on to their other lines of business. This capability is allowing network operators to monetize any unused capacity on their ControlSwitch System and BorderNet 4000 SBC for excellent ROI on their infrastructure investment.