Half of Forbes global Top 50 enterprises rely on Nokia for their infrastructure needs. Here are the Top 5 reasons why Nokia should help you build an OpenStack cloud for your enterprise.

1. **Puts you in control, finally**
   With our approach, you can create a full software stack for your unique cloud environment that breaks vendor lock-in and gives you precise control ranging from the entire cloud down to literally each network packet. By leveraging self-service approaches for both end users and departmental administrators, customer satisfaction is improved and operating expenses are lowered. With this software-centric approach, enterprises can finally control their IT destiny.

2. **Fast application cycles – think DevOps on steroids**
   Our cloud products respond to OpenStack orchestration in real-time, transforming provisioning cycles from slow and manual to nearly instantaneous automated processes. In fact, entire application stacks can be deployed or migrated across data centers in just minutes. By supporting the transformative methodologies and tools in production (such as Kubernetes and Mesos) that your development teams want, even the most demanding development and operations (DevOps) practices can be accommodated using our OpenStack cloud.

3. **Overlay OpenStack onto what you have today**
   Our private cloud approach is based on an overlay software-defined networking (SDN) architecture that works with any networking gear and any virtualization approach. Further, you don’t need to migrate your entire environment at once — migration can be done one piece at a time if necessary. So forklifts are not needed for our OpenStack private cloud — you can get started today with your existing IT assets, saving time, money and disruption.

4. **Address OpenStack network vulnerabilities with policy-based security**
   The majority of current OpenStack network vulnerabilities arise from gaps in security access, authentication and permissions. Our private cloud approach leverages centralized intelligent “declarative” policies; for example, application X always gets access to database Y regardless of its physical location. The cloud also offers intelligent interpretation at each network endpoint and logging each network security event into a big data store. With our multilevel security framework that encompasses both industry- and thought-leading security approaches, OpenStack gets the security that your enterprise requires.

5. **OpenStack networks at Web 2.0 scale**
   OpenStack Neutron provides network capabilities that are sufficient to run a medium-sized data center. Nokia enhanced the OpenStack network stack for the scalability and cloud controls required by Web 2.0 companies and the world’s largest service providers. Nokia truly takes OpenStack networking to new heights — global clouds that span data centers and continents.

To learn more, explore Nokia’s offerings for [large enterprises](#) today.