

## FIRST SO ADVANCED INTEGRATION IN POLAND. COMTEGRA IMPLEMENTS A LINXDATACENTER VIRTUAL DATA CENTER.

Linxdatacenter - European telecommunications operator - decided to extend the portfolio of services with on-demand infrastructure services (IaaS) platform based on FlexPod. Existing and future customers using standard telecommunications and collocation services, gained the ability to lease complete virtual environments - virtual data center.

In the light of growing popularity of IT outsourcing, it is obvious that the competition between companies providing such services on the market will be more and more fierce. IaaS and SaaS solutions based on virtual datacenters, springing up like mushrooms, are an excellent example of the direction that the IT market is heading for. A possibility of leasing an economically attractive IT infrastructure providing a high level of accessibility, which would normally cost millions of zlotys compared to the traditional solution, is a very tempting perspective.

Unfortunately, alarming information about events of a few previous months enhanced the defect of a significant part of solutions of this type available on the market: in the pursuit of low costs of a solution, products of lower or average price level and independently developed applications and Open Source systems were applied.

Having noticed this niche, Linxdatacenter decided to introduce to the market a premium class product, which is based on enterprise class solutions that meet the highest requirements in the scope of high accessibility, efficiency and flexibility of management; and were tested and praised in the West.

As a foundation, a newly-built cutting edge Data Center in Warsaw was used. It meets the most rigorous requirements of the Tier 3 standard and makes use of the provider's wealth of experience in this scope.

In the layer of virtualization, it was decided to use the packet VMwarevCloud Suite 5.1, which ensures incomparable possi-

bilities of continuous maintenance of the solution, flexibility of configuration and efficiency.

The next step was designing hardware-software infrastructure, which was based on the elements created by unquestionable market leaders in their field who provide mutually elaborated and tested level of integrity.

Having the most modern Cisco network infrastructure at disposal, a blade solution provided by this manufacturer was chosen as a server layer. Relying on experiences of previous implementations of this type of software in Poland, it was possible to concentrate on planning architecture instead of being concerned about the solution's stability. The above mentioned Cisco Unified Computing System provides an array of functionalities, which only sealed the choice of this solution. A unified layer of server, LAN and SAN networks management reduced the effort and time put in every day administration. Cisco UCS architecture enables complex management of all the Client's physical servers from the level of a single administration console. Redundancy of all connections and managing elements, as well as hardware IP interface changes guaranteed the established levels of accessibility. Application of connection architecture based on the DCE protocol (Data Center Ethernet) with the move to 10Gb/s ensured appropriate efficiency surplus. The platform also enables extension of the service of virtual DC with servers and physical resources with complete isolation of environments congruent with the multitenancy principle in public clouds.

By working with Comtegra we achieved a goal to create secure cloud-based solution for our customers. We constantly see the amount of data is growing rapidly and an uninterrupted access to Data is a key issue from business perspective. A solution which guarantees security and solid data availability is most valuable. Customers want to be sure their data is safe, and want to know exactly where it is stored. All these requirements service meets LinxCloud giving also our customers the ability to reduce administration and maintenance costs.  
says Arno Coster, Chief Sales & Operations Officer Linxdatacenter (CSO & COO).

In the layer of storing data multiprotocol NetApp matrices that are replicated between different localizations were applied, which contributed to conducting the FlexPod conception, promoted by a coalition of market leaders: VMware, Cisco and NetApp, in practice.

The complete solution was nevertheless planned as a creation enabling development with retention of both Scale-In and Scale-Out ideologies, enabling almost unlimited development and modification of nearly all elements of the solution with a guarantee of isolation of individual Clients and ensuring declared SLA levels.

As history proves, a possibility of instant recovering of environment configuration in the event of even a slight possibility of a disaster of the whole solution or a part of this solution. Even if, due to doubling all elements and physical securing of Data Center, a disaster will never occur, this kind of security is needed to guarantee business continuity to Linxdatacenter Clients.

Pioneering, on the national scale, implementation enables providing the service of a virtual or hybrid Data Center to the end-clients on the Enterprise class accessibility level, ensuring complete control over network aspects and significantly decreasing time needed to provide new applications by the client with significantly lower costs of operation.

## o linxdatacenter

Linx was founded in the year 2000, and was originally built and operated as a wholesale connectivity services provider. We pioneered the low-latency connectivity and secure data center categories in our region of focus, supporting our customers in

growing their business across the borders. Today, Linx is headquartered in Amsterdam, the Netherlands, with 10 local offices across the regions. Due to the interconnected data center facilities, and an extensive Eastern and Central European connectivity network, the company serves as a bridge between the West and the East.

[www.linxdatacenter.com](http://www.linxdatacenter.com)

## o comtegra

Comtegra, as a leading IT systems integrator, is committed to supply best-in-class technology services and solutions by assisting our clients to achieve a goal, solve a problem or satisfy a business need. A key component for success is to ensure that IT solutions are aligned with the business. Thank to our well-prepared staff, Comtegra is able to accept the greatest challenges.

Comtegra offers a full range of IT services for small and medium enterprises, as well as for public administration institutions. We offer solutions in the scope of consolidation and virtualization of servers and mass storage memory. We provide solutions ensuring continuity and automation, disaster recovery, as well as a model of IT environment management – Cloud Computing. Comtegra also delivers mature security solutions based on experience and requirements of different business drivers.

Quality of Comtegra offering is identified through 16 years of market experience and a strong relationship with global IT leaders such as: Cisco, Citrix, CheckPoint, EMC, NetApp, Quantum, SAS, Symantec, Veritas, VMware.

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