



NIL

FLEX IT

HIGH FLEXIBILITY OF YOUR
CLOUD-BASED APPLICATIONS



CAN YOU IMAGINE THE COMFORT OF AN ARMCHAIR, WHICH IS DESIGNED TO 100% MEET YOUR NEEDS?

In many a case, public cloud services promise reduced IT costs and greater operating flexibility, but often come with unknown or greater security risks. Public cloud service providers build their facilities on the principles applied by low-cost carriers where everything is subjugated to standard service packages and generic security measures that do not suit their clients down to the ground. The time for alternatives has come.

Flex IT is an Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) public cloud platform designed with a clear objective: to offer a safer, more reliable, flexible, standardized application platform as compared to comparable solutions, supported by the highest level of care with regard to IT infrastructure of the client in Slovenia – **provided by the NIL Assist services**. In addition to the Flex IT platform, clients can also avail of **consulting and implementing services** that facilitate the shift from a private to a public infrastructure or the simultaneous application of both (hybrid cloud).

The Flex IT platform can host your applications that can form part of your existing closed information system or your e-services opened to the internet. The appropriate service level is specified by means of a **Service Level Agreement (SLA)**. Credibility of processes is demonstrated by the ISO 9001 and ISO 27001 certificates. Flex IT resources are provided by the most advanced, high-performance and reliable IT infrastructure.





BUSINESS ADVANTAGES



WHY IS IT 100 % COMFORTABLE TO DO BUSINESS WITH NIL?

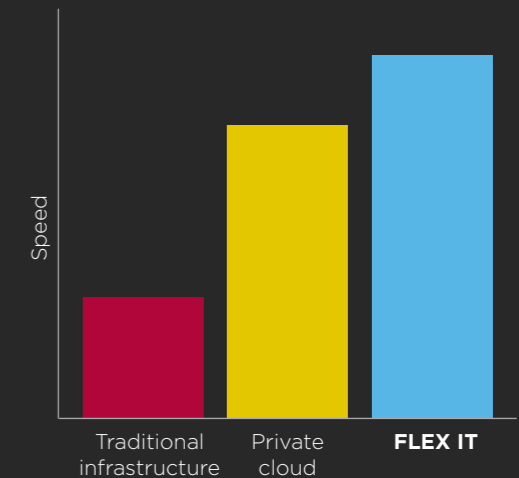
Flex IT services are advantageous for your business in the following aspects:

The infrastructure and platforms contained in the public cloud can be provided within an exceptionally short period of time following the signature of the contract, which can significantly reduce the period of launching your company on the market or promotes your internal innovation cycle.

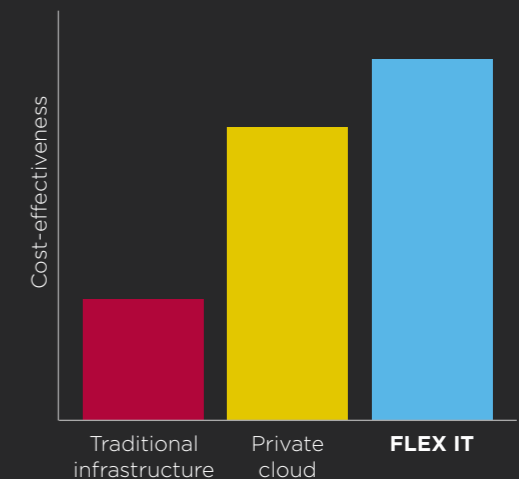
The resources you have rented can be at your disposal day after you have signed your contract (which depends on how complex your rental is)!

Why worry about something you do not even need in the first place? As the resources you have rented are carried out on a dynamic infrastructure that is paid for on the basis of your consumption and needs, its greater level of utilization makes it also **more cost-effective**.

HOW FAST NEW SERVICES ARE CREATED



COST-EFFECTIVENESS OF INFRASTRUCTURE



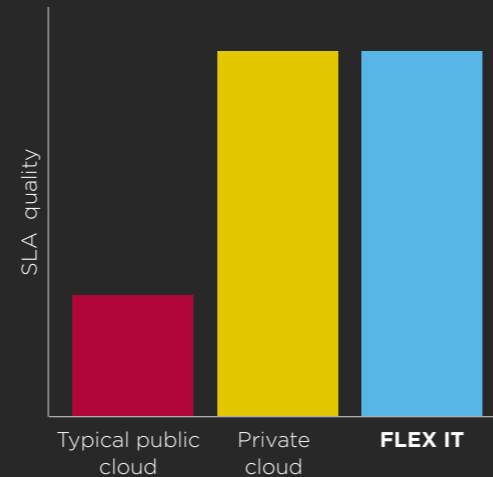
WHY IS IT 100 % COMFORTABLE TO DO BUSINESS WITH NIL?

Flex IT services are **paid according to your monthly consumption** (OPEX), without the need to invest into equipment (CAPEX) and have it depreciated.

In contrast to the majority of public cloud providers, the Flex IT platform is **more adaptable to your requirements** – by not providing pre-determined service packages as we seek to have the solution adapted to your measurements and to what you consider comfort. One size cannot fit all, right?

Comfort and carefreeness go hand in hand. By combining technological (safe and reliable infrastructure), process (state-of-the-art administration) and legal (contractual relation and agreed upon service level) building blocks, we believe to be providing you with **the most predictable business IT platform in the region.**

PROVISION OF LEVEL OF SERVICES (SLA)



■ Business services rendered **faster**.

■ **Lower expenses** compared to a private IT infrastructure.

■ **Fixed monthly** expense instead of expensive investments.

■ **Adaptability** to business requirements.

■ High **predictability** of operations.

IT ADVANTAGES

EASE THE BURDEN ON YOUR IT DEPARTMENT – YOUR IT EXPERTS SHOULD BE ENGAGED IN THE BRIGHT FUTURE OF YOUR COMPANY INSTEAD

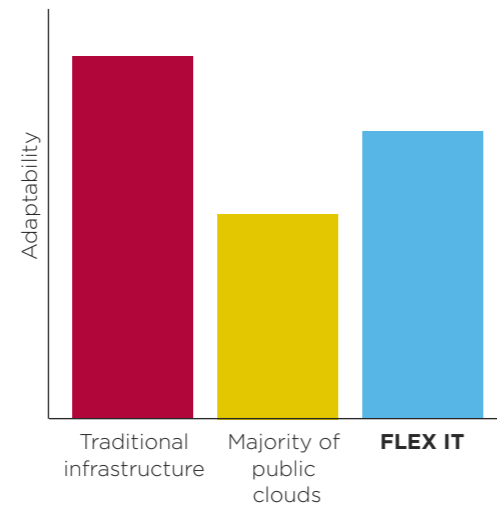
FLEX IT IS ADVANTAGEOUS FOR IT DEPARTMENTS IN THE FOLLOWING WAYS:

- Facilitates **focusing on development and business processes** as by means of Flex IT services, NIL assumes full management (monitoring of functioning, rectification of defects, execution of changes) of the infrastructure and platform layer of your service.
- By being willing to **adapt the platform to your technological requirements**, Flex IT can meet the needs of technologically complex application systems.
- Because the Flex IT platform is designed for high **data security** requirements and **reliable functioning**, it can also be used in low-risk tolerance environments.





TECHNOLOGICAL ADAPTABILITY



Blue Fully managed platforms and infrastructures facilitate **focus on development processes.**

Yellow **Adaptability** to your specific technological requirements.

Red Transparent and robust **security risk-reducing mechanisms.**

Teal **High operating reliability.**



CHARACTERISTICS

Flex IT is a public cloud platform as part of which NIL provides the rental of managed compute, storage and network infrastructure (IaaS) and platforms (PaaS – operating system, DBMS). Flex IT does not offer packages or pre-defined sets but the solution has been designed to be able to adapt to specific clients by **finding the best business and technical solution on a case-by-case basis**.

Flex IT also includes **strategic and tactical counselling** on how to shift services to a public cloud. NIL can help you evaluate the rationality of such a shift, legal aspects of transferring data to a public infrastructure and, of course, technological aspects of transferring loads and data to one's own infrastructure.

Flex IT cloud services can be rented in the form of **complete virtual servers**. You can choose between the following properties:

PROPERTY	DESCRIPTION
CPU rental	Rental of the desired quantity of virtual processors.
CPU reservation	Provision of accessibility of virtual processors at any point in time for CPU-intensive tasks.
Memory rental	Rental of the desired quantity of virtual memory; rental for servers with high memory usage also available.
Memory reservation	Provision of accessibility of the virtual memory at any point in time for memory-intensive tasks.
Automatic system recovery service	Facilitates fast automatic restarting of a rented resource following an infrastructure failure.
Lockstep execution	Facilitates the greatest level of accessibility: continuous uptime of the rented resource even following an infrastructure failure.

Disk space rental	Rent the desired amount of disk space on standard disk drives (RAID 5/6).
Fast disk space rental	Rent the desired amount of disk space on high-permeability disk drives (RAID 10).
Creation of back-up copies on the disk system	Rental of the back-up copy of data created on the disk system and are easily accessible if needed for data retrieval.
Creation of back-up copies on a tape	Rental of the back-up copy of data carried out on a tape library at a specific geographical location.
Rental of a global IP address IPv4	Rental of the Internet Protocol version 4 (IPv4) for communication with the Internet.
Rental of a global IP address IPv6	Rental of the Internet Protocol version 6 (IPv6) for communication with the Internet.
Guaranteed internet connection bandwidth	Provision of a minimum bandwidth between rented resources and the internet.
Guaranteed VPN bandwidth to your network	Provision of a minimum bandwidth between the rented resources and your distant network via the VPN connection between you and group NIL's data centres.
Network firewall service	Protection of your rented resources against attacks from the Internet with a 3-7 OSI Layer network firewall system.
Rental of operating system software	Rental of operating system within a virtual server. The rental of Microsoft Windows Server 2008 R2 and Microsoft Windows Server 2012 is currently available. Of course, you can also rent a virtual server without an OS wherein an OS can be installed.
Operating system management	Ensuring functioning of your operating system and regular maintenance thereof (installation of corrections, etc.) of the operating system according to the PaaS pattern.
Rental of database software	Rental of database (DBMS) within the virtual server. The rental of Microsoft SQL Server 2008 currently available.
Database management	Ensuring functioning of your database and regular maintenance thereof (installation of corrections, etc.) according to the PaaS pattern.
Basic support	Basic support (rectification of defects on rented resources) on the next working day after they have been identified/reported.
Production support	Rectification of defects on rented resources within 4 hours after they have been identified/reported.





TECHNICAL INFORMATION

The Flex IT platform is carried out on the **public cloud infrastructure of the group NIL on the territory of the Republic of Slovenia** at locations certified as administrative areas as stipulated by the Slovenian Classified Information Act. The Flex IT platform is based on an exceptionally flexible and reliable dynamic infrastructure that includes:

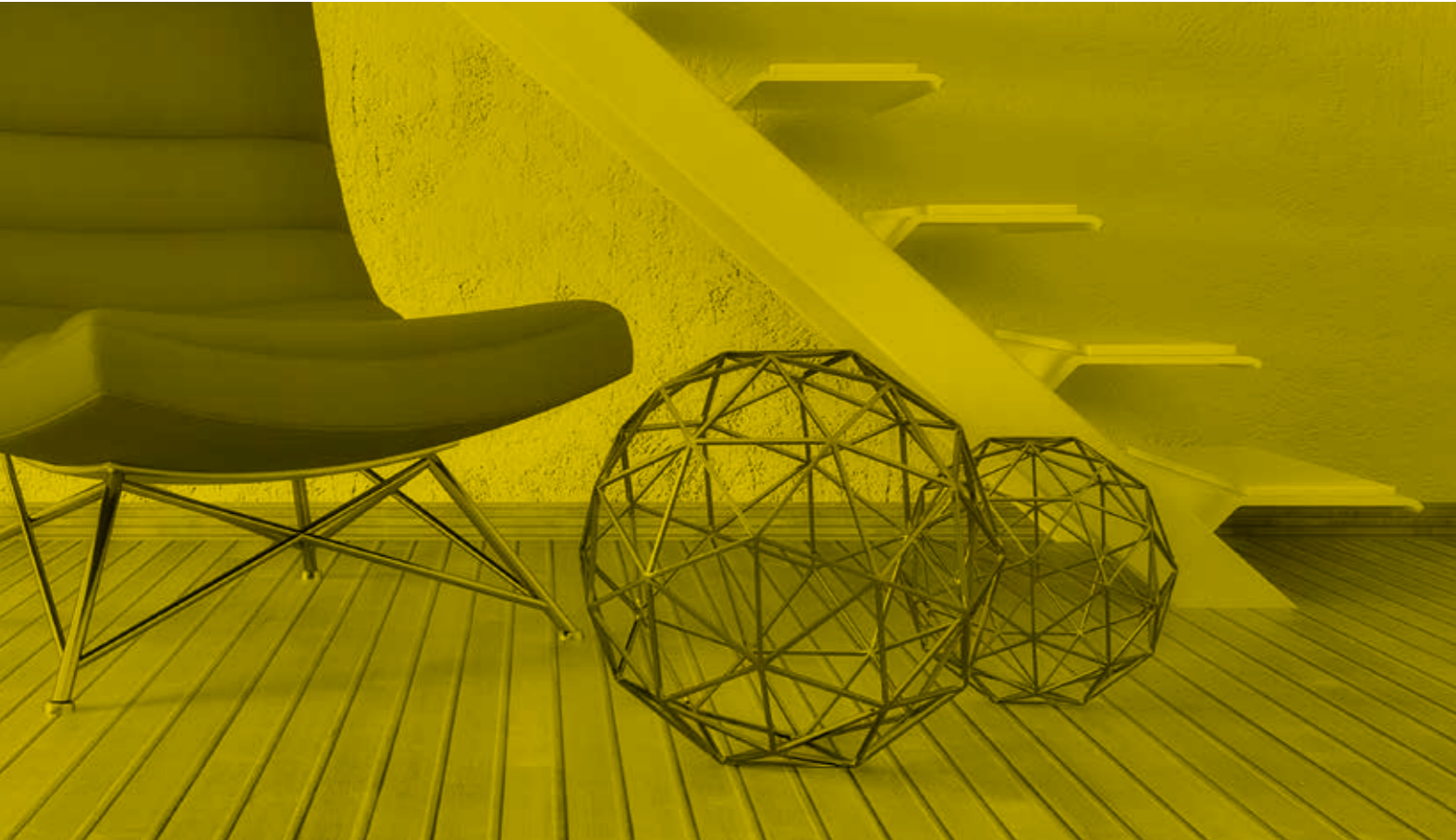
- standardized calculation-storage infrastructure Cisco UCS with the latest 8-core Intel Xeon processors;
- a VMware vSphere 5.x Enterprise Plus or Microsoft Hyper-V 3.0 cloud platform;
- EMC Symmetrix and Clariion storage systems;
- 10GE Cisco Catalyst core network infrastructure;
- Cisco ASA 5585-X firewalls;
- VPN router with hardware acceleration of cryptographic operations manufactured by Cisco Systems;
- Cisco ACE network load balancers;
- security separation between physical infrastructure layers;
- tape libraries for back-up copies of data manufactured by HP;
- high-performance multiple IPv4 and IPv6 internet connections to various internet service providers via the network infrastructure manufactured by Cisco Systems;
- the NIL Monitor service for pro-active monitoring of the infrastructure's health;
- the NIL Assist service for predictably fast rectification of improper functioning;
- counselling services with regard to shifting to a public cloud and developing your services.



CONCLUSION

The alternative to experiencing discomfort and concern with regard to your applications is thus as clear as day - well, as a cloud. Raise your applications or e-services into the sky - choose 100 % comfortable and trustworthy IaaS and PaaS public cloud services, for they are safe, reliable and, most of all, adapted to your line of business.

NIL will provide support (**NIL Assist**), stress-free shift (**counselling and implementation services**) and **state-of-the-art IT infrastructure**. All that so that you can do business faster, that your monthly expenses can be foreseen and lower in total than they would be if you were to have your own IT infrastructure.



COMPARISON BETWEEN NIL'S CLOUD COMPUTING SERVICES

	Flip IT	Flex IT	NIL HyperCenter
Typical clients	SMEs	SMEs, internet application providers (SaaS),	SMEs, cloud computing service providers
Resources are monitored by	Public cloud (shared monitoring between the client and NIL)	Public cloud (shared monitoring between the client and NIL)	Private cloud (fully monitored by the client)
Key characteristics	Easy to use, price, higher level of IT services than hitherto	High level of security, reliability, and flexibility in a public infrastructure	Minimum risk and maximum control
Service scope	Fully externally carried out entire IT infrastructure	External management or server application platform	IT services on the client's infrastructure managed by the client or NIL
Cloud computing service model	SaaS	IaaS and PaaS	IaaS
Service level provision	Basic-level service provision	Basic- to exceptionally high-level service provision	Basic- to exceptionally high-level service provision
Service infrastructure	NIL's public cloud	NIL's public cloud	Owned or rented by the client, at the client's premises



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