

Arrangement of the allocated point of an exchange of traffic in Cloud-IX - the way of decrease in expenses for ISP



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**ОТЛИЧАТЬСЯ ВЫГОДНО
FAVOURABLE DIFFERENCE**

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Cloud-IX 2012 г.



The international traffic exchange network - **Cloud-IX.net** and the ISP-independent datacenters network - **DataHouse** - two projects in which the principles of network neutrality was implemented .

Cloud-IX.net - The allocated network of Internet traffic exchanges which united IP-networks in Russia, Ukraine, Kazakhstan (soon), Belarus (soon) and Europe in the single whole.

DataHouse - it's own ISP-independent technological platforms in the majority of cities has been created; and in which the services of Cloud-IX.net are accessible



Strategic purposes of Cloud-IX.net:

- Distribution principles of neutrality in all territory of services covering.
- Decentralization of the traffic which has been concentrated in large cities such as Kiev, Moscow, St.-Petersburg towards the regional centers.
- Development of statistical and analytical toolkit.



Today DataHouse nodes are accessible or are in a building stage to following addresses:

- **Moscow**, Nizhnaya Syromyatnicheskaya str., 10 build. 9;
- **Moscow**, Burakova str., 27;
- **St.-Petersburg**, Lifyandskaya str., 3a;
- **Vladimir**, soon
- **Ekaterinburg**, Siberian path, 8;
- **Krasnoyarsk**, Televizornaya str., 6g
- **Kiev**, soon
- **Odessa**, soon

All **DataHouse** are constructed on the advanced quality standards and give the guaranteed climatic conditions and uninterrupted power supplies.

Uninterrupted power supplies are provided by UPS MGE or Eaton.

On all **DataHouse** nodes diesel power stations are installed.

Services which can be rendered on DataHouse platforms:

- Rent of the closed telecommunication cases in the sizes 12U, 22U, 44U for placing of nodes of communication operators;
- Rent of the server and trunk equipment;
- Storing repair parts and maintenance kits of the equipment;
- Monitoring of the connected networks.



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Geographical covering of the Cloud-IX network



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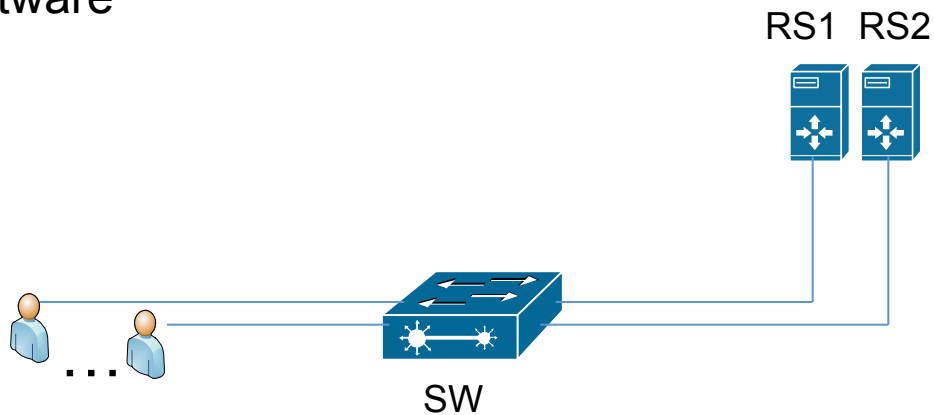


Route Server Software

Bird

Open BGP

Quagga

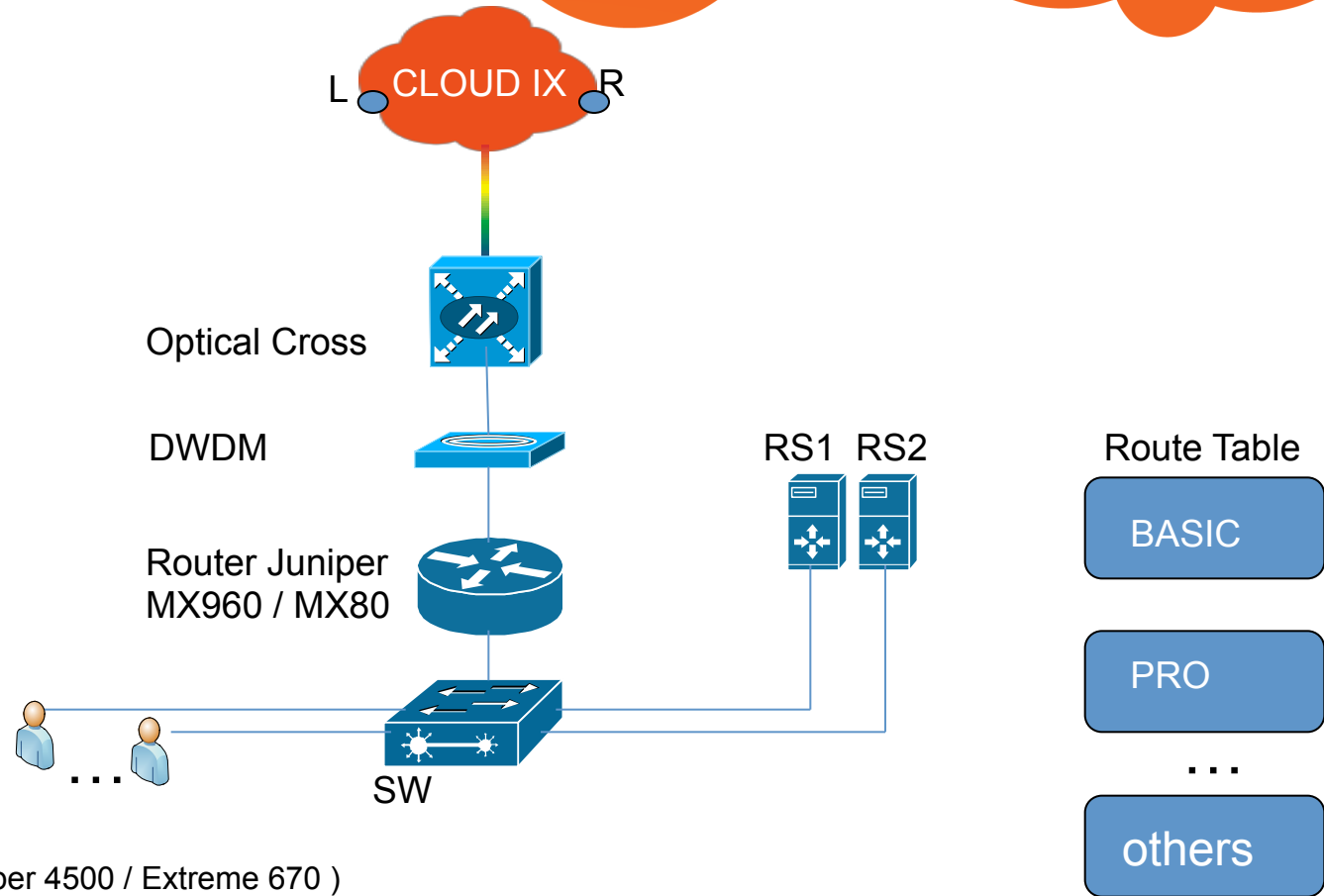


RS1, RS2 - Router Server

SW - Switch Layer 2 (Juniper 4500 / Extreme 670)



Architecture of join an distributed traffic exchange points of Cloud-IX

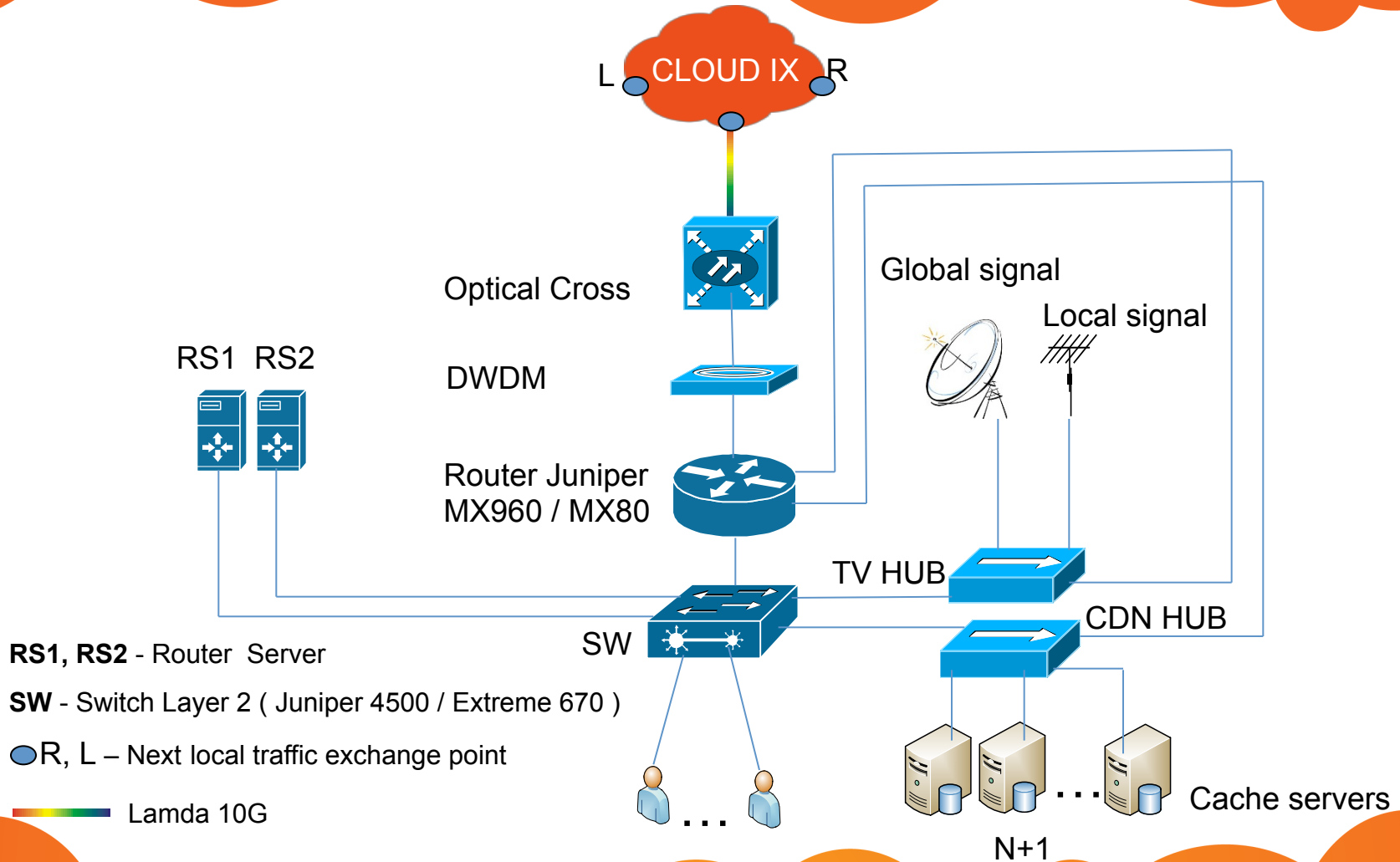


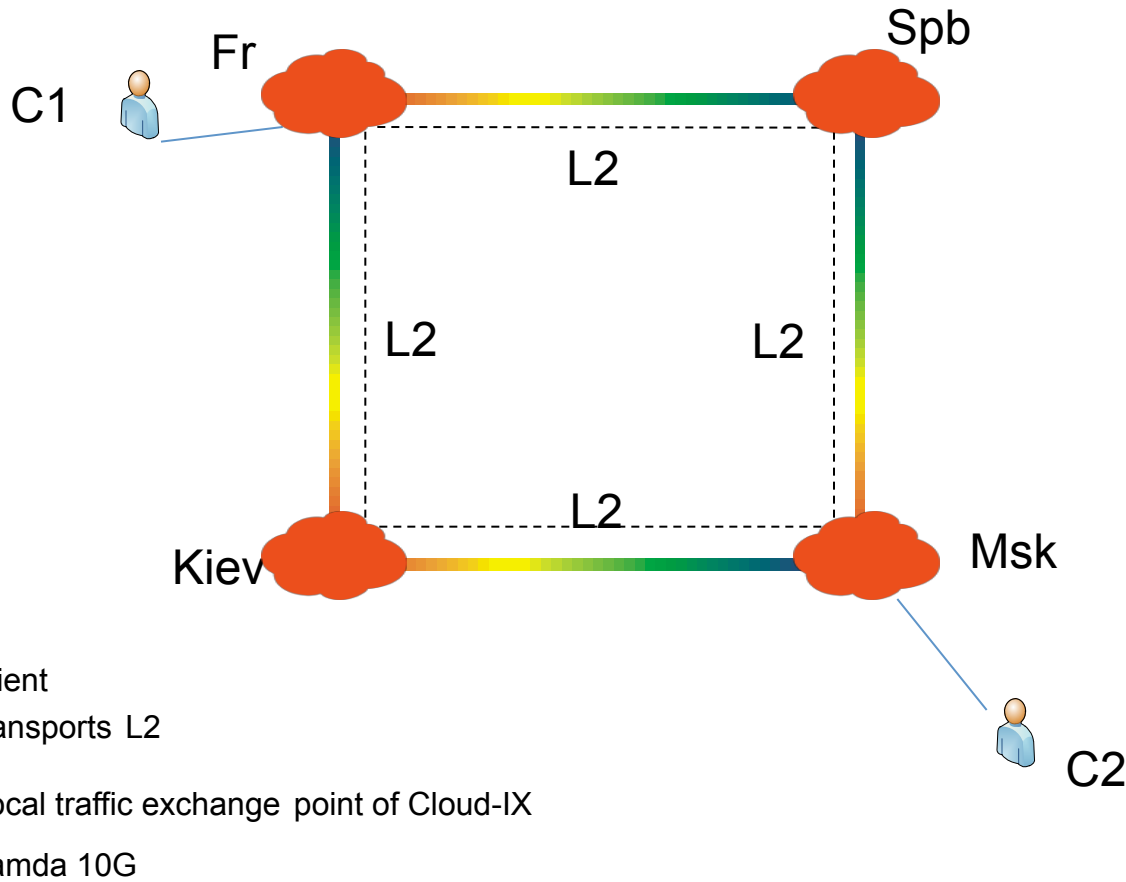
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●R, L – Next local traffic exchange point

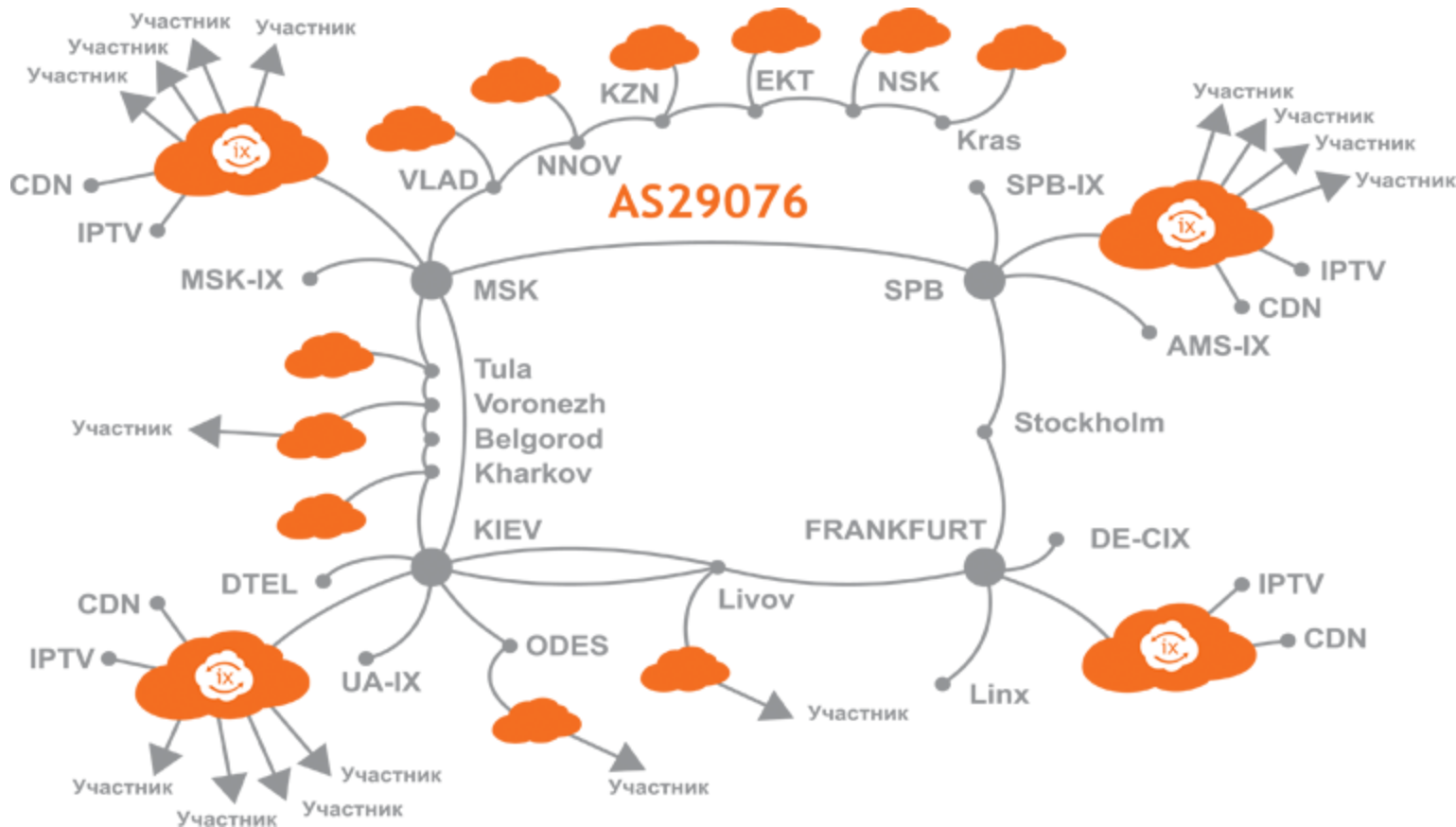
— Lamda 10G







The general scheme of network Cloud-IX work





Advantages of Cloud-IX

- In your port all traffic exchange points like local connection;
- Granting different /several services in one port;
- Maximum utilization of your port capacity by the traffic of long-distant segments;
- Possibility flexible adjustment of interaction due to communities;
- Possibility to receive the traffic from other significant traffic exchange points in Russia and Europe without physical interconnection;

Connection to Cloud-IX network

- Nodes on all platforms of your city;
- Connection is possible as well as 1GE and 10GE ports;
- Free connection irrespective of speed;
- **Sfp/Sfp+** modules will given by the connecting ISP;
- Rate fixing is caring out by "burst 95 % percentile" rule;
- The only condition - ISP must have own AS (Autonomous System);



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Thank you for attention!

Questions?

www.Cloud-IX.net