

GIRO Mirror today and tomorrow

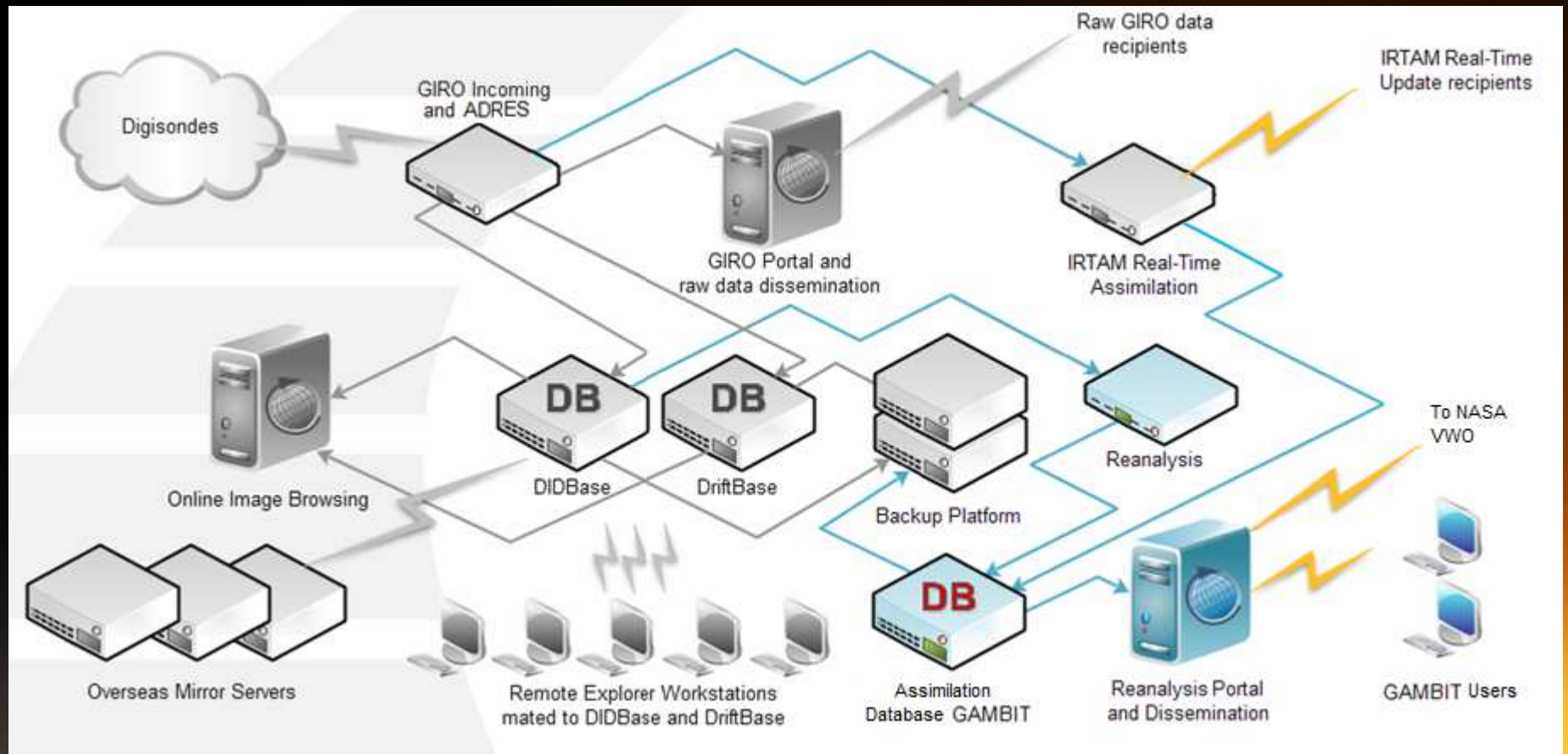


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The logo for the XIV International Giro Forum 2014. It features the text "IGF 2014" in a large, blue, sans-serif font. The number "0" in "2014" is replaced by a blue and white globe showing the Americas. The background of the slide is a photograph of the Earth's horizon from space, with a bright sun or light source on the right side, creating a lens flare effect.

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Goals of mirror sites

- Increase the speed of access
- Increase reliability of access
- Though speed of access can be improved by creating WEB application with more user control then we have now in DIDB/DRIFT portal.

Installation of DIDB and DRIFT

- We recommend Linux server for each of database
- Hardware specs: 4TB contemporary disk storage, 16GB RAM (more for faster performance), 1GB ethernet
- Software specs: Linux SuSE 12 (or higher), Firebird 2.5.3
- For backup: Linux server, 8TB disk storage, 16GB RAM
- Additional server for incoming data: Linux server, 500GB fast disk storage, 16-32GB RAM. Software: ftp server, JDK 1.6, UMLCAR Incoming

Installation experience

- About 2 years ago we installed DIDB in Prague
- These days we are in process of installation of DIDB, DRIFT, Incoming and Backup servers in Beijing
- Next: South Africa

Future

- Even the present approach gives advantage in faster access, it still not fills “mirror” sites with recent ionogram data automatically from UMLCAR.
- To do this we either have to buy Firebird replicators and adapt them for our environment, or create our own replicator, which might be more efficient as it will take in account our specifics.
- To improve efficiency and speed of data access, including data replication, the DIDB could be split into SAO data and Ionogram data. That would significantly increase access to SAO data, and also improve maintainability of DIDB.

Dalu

감사합니다

Gracias Danke Ευχαριστίες

THANK YOU

Obrigado

Köszönöm

Tack
Grazie

Спасибо Dank

谢谢

Merci

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