



OFA 2012 – SITA (MEGA SWITCH)

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Date: March 26th, 2012

Who is SITA?

- SITA is the world's leading specialist in air transport communications and information technology (IT). We work closely with every sector of the air transport community, innovating, developing and managing business solutions over the world's most extensive network - one that forms the "communication backbone" of the global air transport industry.
- Web Sites:
 - Sita Portal : <http://www.sita.aero/>

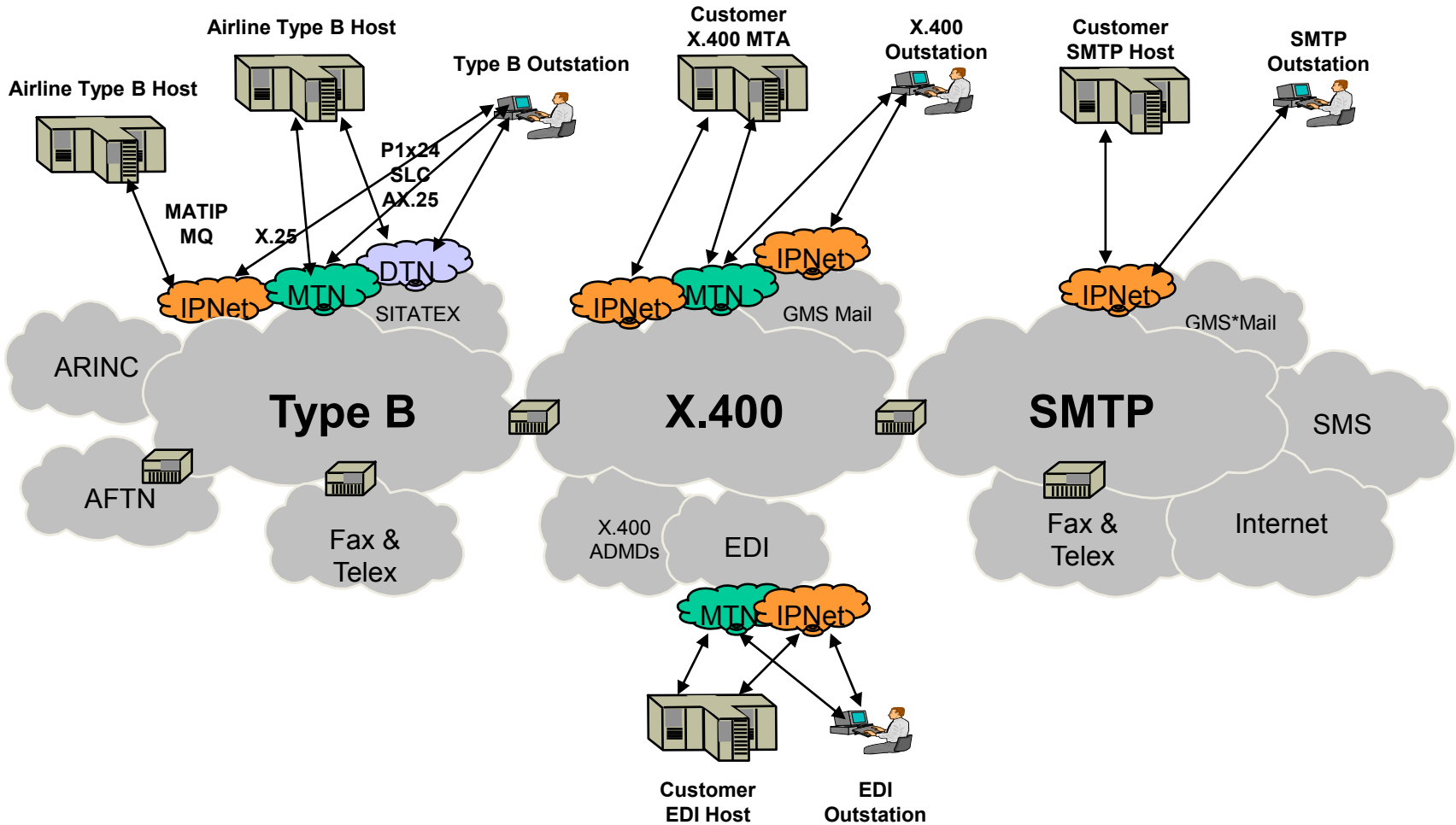
Quick history

- SITA was founded in 1949 by eleven airlines: Air France, KLM, Sabena, Swissair, TWA, British European Airways Corporation (BEAC), British Overseas Airways Corporation (BOAC), British South American Airways (BSAA), Swedish A.G.Aerotransport, Danish Det Danske Luftfartselskab A/S and Noweigan Det Norske Luftfartselskap.
- SITA has been serving the air transport industry since 1949.
- Today we provide IT and communication solutions in 200 countries and territories.
- Web Sites:
 - Sita History : <http://www.sita.aero/about-sita/what-we-do/sita-history>

SITA Messaging

- Goal is to provide Airlines with a high performance & secure platform to conduct their operational business.
- Consists of the following services:
 - Type B Host (Legacy (X25), Matip, MQ)
 - Type B Mailbox (Sitatex)
 - Type B PTP
 - Web Type B
 - AFTN Gateway
 - X.400 ADMD/PRMD & Mailbox (Mailbox retired)
 - SMTP Gateway (Access to Type B)
 - EDI/Spec2000 (Skyform, Skyhost, Skyfax, X.12 Converter, ECH)
 - OffNet Access (BFAX & RTX/Telex)
 - Gateways (inter-connecting the above, connecting them to the Internet, as well as the Message Connect – Business & Mobile services)
 - Message Vision allows customers to display their connections status, Routing and Traffic Statistics
- User base:
 - Traditional Airlines & Suppliers

SITA Messaging Topology

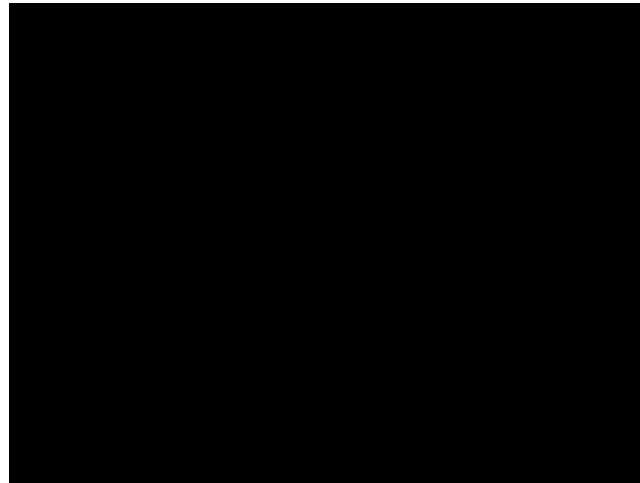


SITA Mega Switch

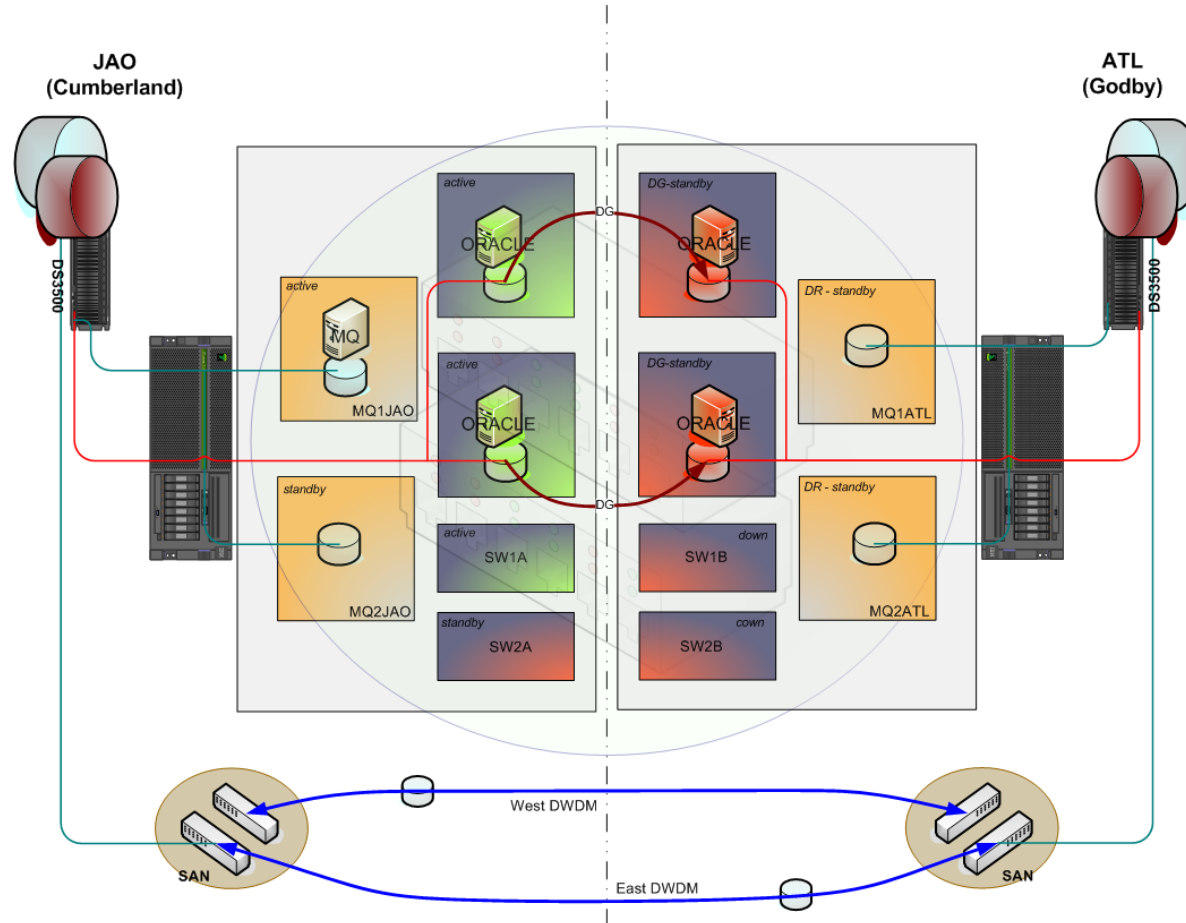
- The Mega Switch is the main SITA Type B switch. It switches Type B Messages connecting Type B Host located Worldwide.
- Technical Profile
 - IBM pSeries Hardware (replaced in 2006)
 - IBM AIX OS (Unix) – 6.1
 - 16 P550/520 systems for Production – Going to P740 in April 2012
 - 2 blade servers for the Mega Switch administration (Local Management Application (LMA)) – PC Client used by operators
 - 2 dedicated DS4500 SAN Storage Devices
 - 1 virtualized system for Development to simulate a complete Mega Switch
 - 1 Million Lines of C++, C, PERL, PL/SQL, PRO*C, OCI, SML, KornShell code

SITA Mega Switch (2)

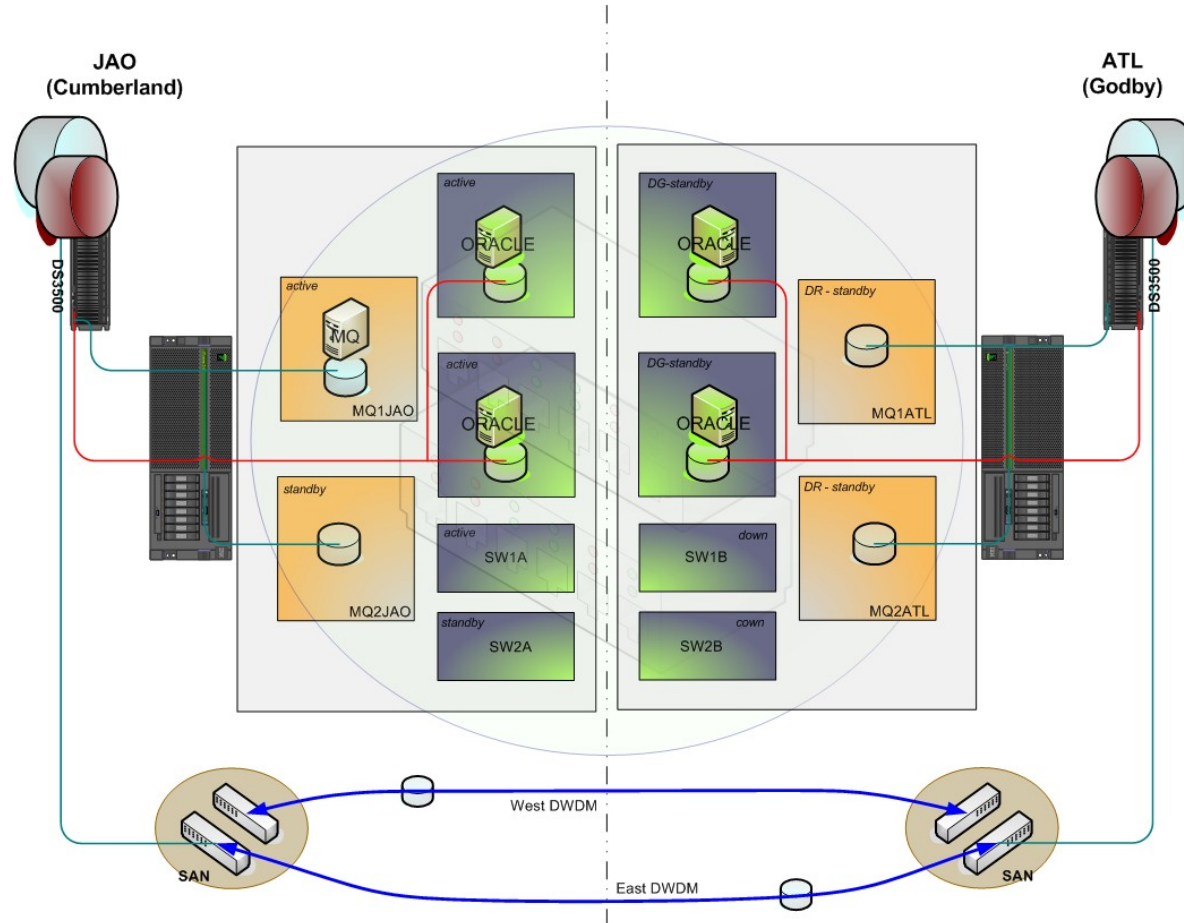
- Mega Switch animated movie:



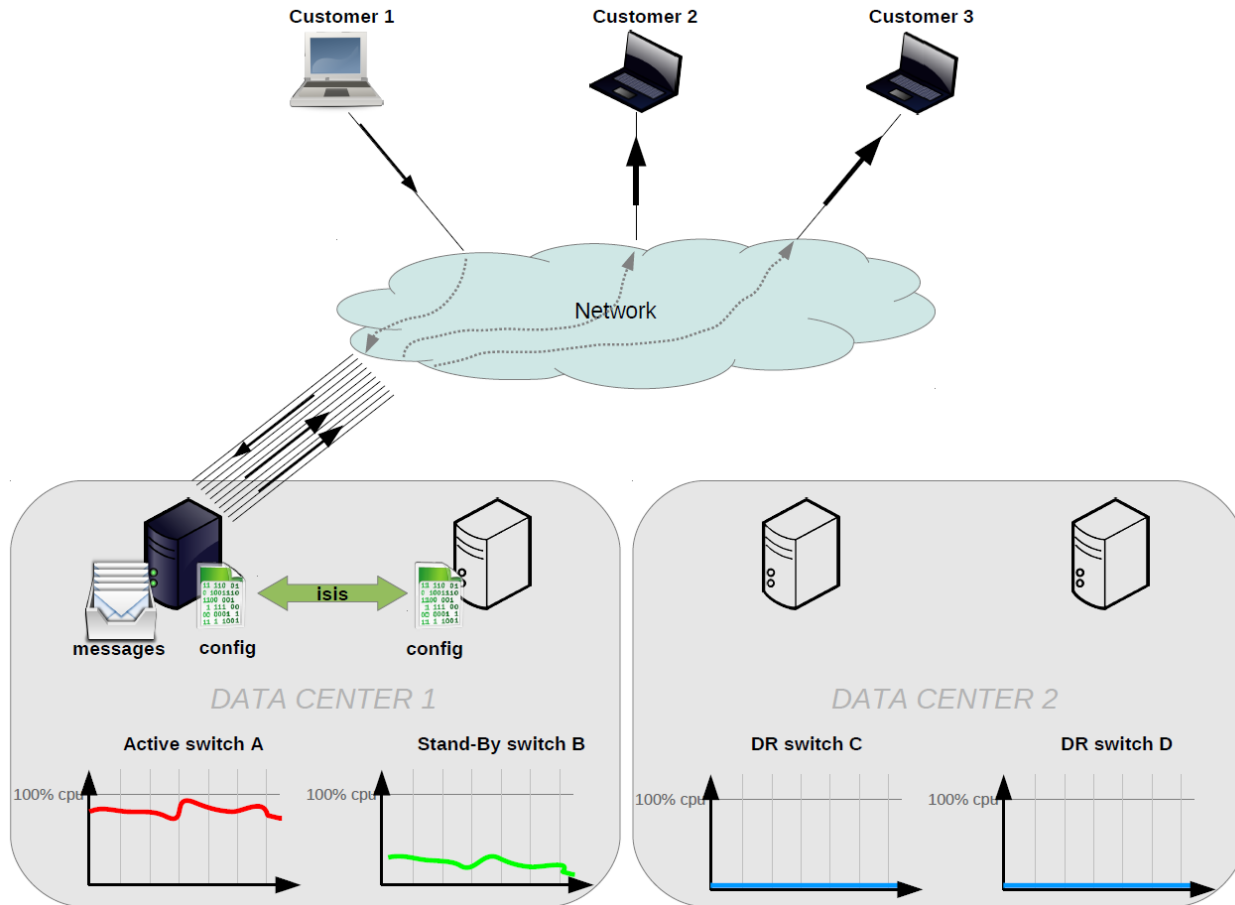
SITA Mega Switch Current Topology



SITA Mega Switch Future Topology



SITA Mega Switch Current Architecture



SITA Mega Switch Future Architecture

