

Data Center Automation & Growth Model

Abdulrahman Gharamah

Saudi Aramco, Dhahran, Saudi Arabia

The Data Center is a major asset for any Enterprise company to host its IT infrastructure. Data Centers provide hosting services for computer and communications equipment. They also provide proper environment (power, air condition and foot print) to host hardware such as servers, storage, network and communication switches as well as tape libraries. Long term strategic planning is required for Data Centers to maintain continuation of existing services and accommodate future growth. There are three stages required for that long term strategic planning. Capturing processes and automating them; integrating front-end applications with back-end applications; and providing users with single one-stop-shop and empowering service providers with dashboards. Note: Study Case: Saudi Aramco Data Center