Oil & Gas

CASE STUDY

IIS as webserver

Situation

Replace existing web servers machines which are on Windows Server2003 OS as Microsoft was ending support.

Impact

There was no upgrade option & support for Netscape.

Resolution

Replaced Netscape and WebLogic with IIS

The Customer

The client is one of the largest crude oil and natural gas exploration and production companies in the United States.

The Need

Client wanted to upgrade web servers to latest versions. Netscape and WebLogic were being used as webservers to serve applications by different departments. Had to setup upgraded versions of these servers on new machines or replace them with an alternative.

Challenges

- Figuring out alternative for Netscape since there was no upgrade option & support for Netscape.

- There was an issue with getting Authenticated User details while using URL Re-write. Solved this by writing some custom code to redirect the URL and get the user details using NTLM Authentication.

The Solution

Internet Information Services (IIS) is a web server software package designed for windows servers for hosting websites and other content on the web.

IIS has all the features needed to support replacement of Netscape and WebLogic

Highlights

- IIS runs any applications and processes any scripts contained in the page, then sends the resulting data to the user's browser

- Easy to use Administration UI for configuring the server.

- Integrated Windows Authentication

Business Benefits

- High performance.

- Reduction in cost as it is free.

Configurable Schedule Chart

Situation

Emerging technologies in new ways of drilling

View formats and user preferences missing to cater multiple divisions & countries need

Impact

- Easy of Use
- ROI
- Efficient Tracking of all activities in single view.

Resolution

- Integration of all Well activities on Scheduling component
- Single view for all activities
- Provided various view formats such as Grid / Chart / Form / Gant Chart
- Templates to configure user preferences.

The Customer

The client is one of the largest crude oil and natural gas exploration and production companies in the United States.

The Need

Due to emerging technologies, the way oil & gas are extracted has led to additional activities in drilling area such has horizontal and fracking

View formats and user preferences missing to cater multiple divisions & countries need

Challenges

- IT budgets

- Developing & maintaining multiple applications for various Well activities

- Integration of applications for single view

The Solution

Application design is based on scheduling component.

Created custom components for various view formats

Configure each view by defining user-based templates.

Views can be configured based on user preferences(profiles/templates)

Highlights

- One Application for all Well activities

- Easy of use – GUI based navigation

- Application is designed and developed in Inhouse

- Date Driven (one place to make adjustments if needed)

Business Benefits

- Improved ROI
  - ✓ Management where able to make appropriate decisions (single view of all Well activities)

- Improved Business performance
  - ✓ Due to integration
  - ✓ User preferences
  - ✓ Easy of Use

- Reduction in Total Cost of Ownership (TCO)
  - ✓ Fewer applications to develop and maintain