DELFI | On Demand Reservoir Simulation

Schlumberger   **Microsoft**

ECL IX

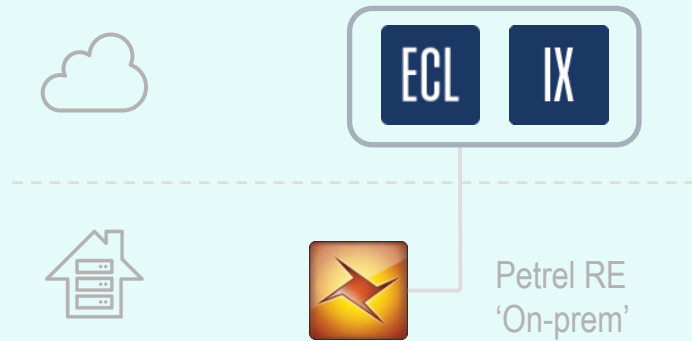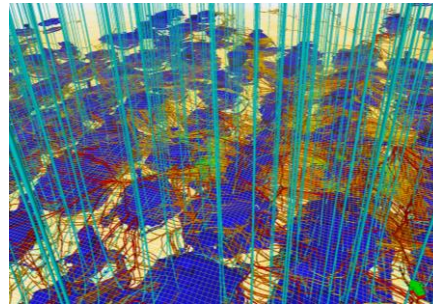Petrel RE 'On-prem'

DELFI On Demand Reservoir Simulation enables users to access simulation in the cloud without changing their current workflows.

If you are reservoir engineer or Petrel RE user with On Demand Reservoir Simulation you continue using the simulator the same way you have always done it – but with results in a fraction of the time.

ECL — ECLIPSE* industry-reference reservoir simulator
Reservoir simulator with more than 40 years of development, it has been used in over 85% of the world's simulated oil and gas fields.

IX — INTERSECT* high-resolution reservoir simulator
Advanced reservoir simulator capable of simulating detailed geological models integrated with complex field operations.

Benefits of On Demand Reservoir Simulation:

- Instant provisioning – saving weeks or months on acquiring new/extended HPC
- Elastic compute – 'limitless' capacity when you need it
- **Simulation driven by activity & operations** not hardware and license availability
- Configure and optimize simulations based off the required outcome, insights & turnaround

Key feature comparison:

	On-prem HPC	On-prem apps on Cloud	'ODRS' on Azure
Virtually unlimited hardware and software	✖	✖	✔
Simulations can be submitted from your local 'on-prem' environment	✖	✖	✔
Remote access: reliable, secure end-to-end, consistent and performant	✖	✖	✔
Advanced simulations enhanced by automated insights (AI/ML/analytics)	✖	✖	✔
Time to add additional system capacity when needed	✖ (months)	✖ (days…)	✔ (hours)
Full cloud environment support for application	✖	✖	✔
Full domain application support for end-user	✔	✖	✔
Shift CAPEX to OPEX	✖	✖	✔