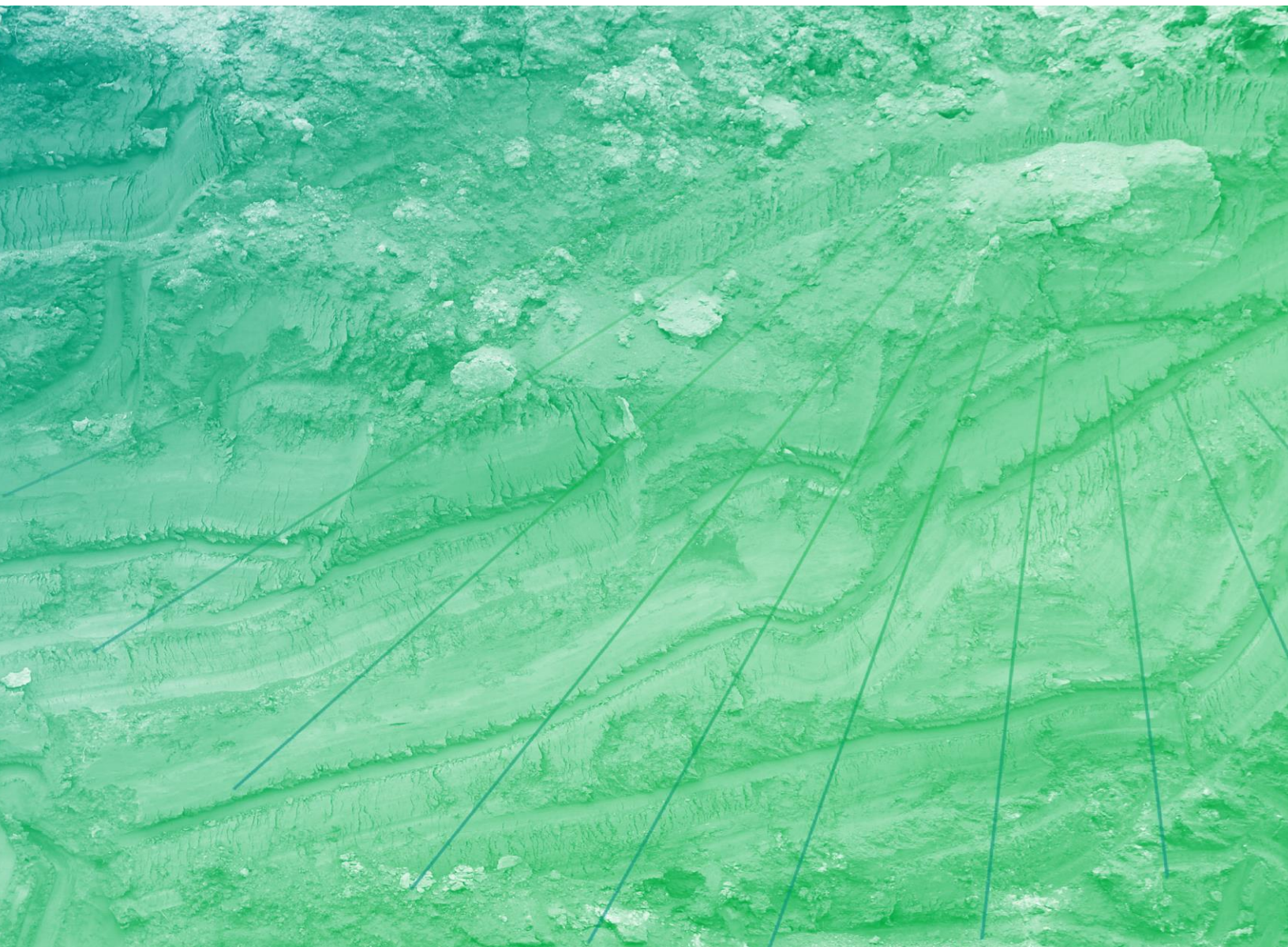


UPSTREAM ENERGY

Petra® 2018

April 2018



Petra ® 2018

April 12, 2018

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Overview

This document briefly describes the planned direction of the release of Petra® 2018. The focus of this release covers the following:

- Enhancements
- Bug fixes
- Known Issues

Questions

If you have any questions or need to obtain your software on physical media, contact one of our Customer Care Centers of Excellence at customercare@ihsmarkit.com or by phone. Phone numbers are listed below:

Region	Phone
Americas	+1 800 IHS-CARE +1 800 447-2273 +1 303 736-3001
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General

Louisiana Production ID Updates – Action Required

IHS is transforming its legacy Production Data Accumulation system to deliver production data in a more accurate and timely manner. IHS began building this new system in 2008 and went live with Colorado Production Data in July 2009. Since then, we have completed and implemented additional Rocky Mountain States including Arizona, Montana, Nevada, North Dakota, Oregon, South Dakota, Utah, and Wyoming. Since the transition, we are now able to syndicate Rocky Mountain Production data to customers on a weekly, and in some cases, daily basis.

The Louisiana production data released in February, 2016 has significant modifications, offering many new benefits and advantages to customers. IHS strives to be proactive with solutions as a result this data update is not related to any specific Petra release. Please download the document below to learn more about actions you will need to take as a Petra user.

[Petra project preparation document – Download.](#)

Petra Licensing

Petra 2018 includes new common licensing for Kingdom, Harmony, Petra, and GeoSyn.

A network license requires a dedicated computer for the license server, and the installation of two license managers, one to communicate with the Sentinel EMS (Entitlement Management System), and one to activate and monitor licenses. For more information, see the Licensing section of the Installation Guide, available from the Entitlement Management System (EMS) or the Kingdom release website (login required for both).

Backward Compatibility

Petra updates periodically contain changes and additions to the database tables. If an updated version of Petra is used to access a shared project, older versions of Petra will no longer be able to access that project. All Petra seats within an organization should be updated at the same time. If the organization prefers to test new versions of Petra before general release to all users, testing should be done using dedicated test projects rather than projects that the organization wants to be accessible to older versions of Petra.

Software Download Capability

An electronic download of this new release is available from the IHS Petra Software Download page. From the Petra main menu select Help > Petra Download Web Site. Select the product you want to download and save the update file. After downloading the update, close Petra before installing. For the network version, all users must exit Petra before the update can be installed.

If you do not have an internet connection and need to obtain the Petra update on physical media, contact IHS at petralicensing@ihsmarkit.com.

Requirements

Minimum Hardware		
<ul style="list-style-type: none"> 64-bit dual-core machine 12 GB of physical RAM 512 Mb of video RAM with OpenGL acceleration 		
Supported Operating Systems	Install	Support
Windows 7 SP1 (64-bit)	Yes	Yes
Windows 10	Yes	Yes
Windows 2008 64-bit	Yes	Yes
Windows 2012 Server R2	Yes	Yes

Server Recommendations

IHS recommends that you store the database files on a network server. See the PETRA – Usage in Large Multiuser Environments document for details. Multiple servers can be deployed in your environment to accommodate large numbers of users

Terminal Services Implementation

IHS has documented remarkable performance improvements in multi-user Petra environments when Petra is deployed on a terminal server (e.g. Microsoft's Remote Desktop) using local disk storage. Under such conditions, network traffic to enable multi-user file sharing of Petra's database files is eliminated, and users achieve unparalleled efficiency and satisfaction.

IHS has fully documented, certified and supports such an implementation. We encourage you to contact IHS Customer Care for more information. We are happy to schedule professionals to come to your office to install, test and certify this Petra environment for you.

[Download the Terminal Services Implementation white paper.](#)

Best Practices

If you are storing your projects on your local hard drive, obtain an NTFS formatted drive large enough to store all of your projects. Backing up your data is critical. Remember to also use a backup device (tape drive, USB Disk Drive, DVD writer capable of spanning) in case of an internal drive failure.

Enhancements

Licensing	<p>New Common Licensing</p> <ul style="list-style-type: none"> • Provides a common licensing platform for multiple IHS Markit products: Kingdom, GeoSyn, Harmony, and Petra • Does not require a dongle • Provides both network and standalone licenses. • Allows commuter licenses to be checked out from a network license server.
Main	<ul style="list-style-type: none"> • User Interface Enhancements <ul style="list-style-type: none"> — Well Count visible for all selected tabs — HTML Style for project paths — WSN list file now active — Symbol code and description displayed on Well tab — Item counts on Fm Tops, Zones, Logs and Rasters tab — Visual color indicators for reordering and active filtering of formation tops and logs • Unconventional Workflow Calculations <ul style="list-style-type: none"> — Wellbore Footage calculations — Wellbore Percentage calculations • Streamlined Directional Survey Updates <ul style="list-style-type: none"> — Movable TVD column — Supports copy and paste directly from Excel
Cross Section	Custom tool bars in Cross Section
Map	<ul style="list-style-type: none"> • Enhanced map generation <ul style="list-style-type: none"> — Intuitive grid management tool — Automated re-grid mapping functionality

Bug Fixes

The following bug fixes have been made since the release of Petra Standard 2017 v3.11.1

Petra 2018 (April, 2018)

Module	Description	Case
Main	Using the scroll wheel to Copy/Paste in the quality column of FmTops tab does not cause application to become non-responsive	1442720
	Log Footage: if Gross zero, Net is now getting values	1366437
	Lock and unlock of Interval table now works if both LITH and CORE are locked at the same time	1459662
	Footages Summation now working with multiple wells - zone item name length now restricted	1454052
	OWX export puts casing depth in correct end depth position	1459629
	Locked Survey Data is overwritten when the Copy Well function is used	1303885
	LAS Batch importer stops or skips wells related to scaling of log now working	1230510
	Launching modules error: May be low on system resources error message now shows windows system error information	1379838
	Accumap well import perf type now shows bridge plug with enhanced Accumap export	1360302
Cross Section	XSect 1 no longer reads XSect 2 private parameters	1459625
Map	Convergence angle mode user information shows corrected True North	1424858