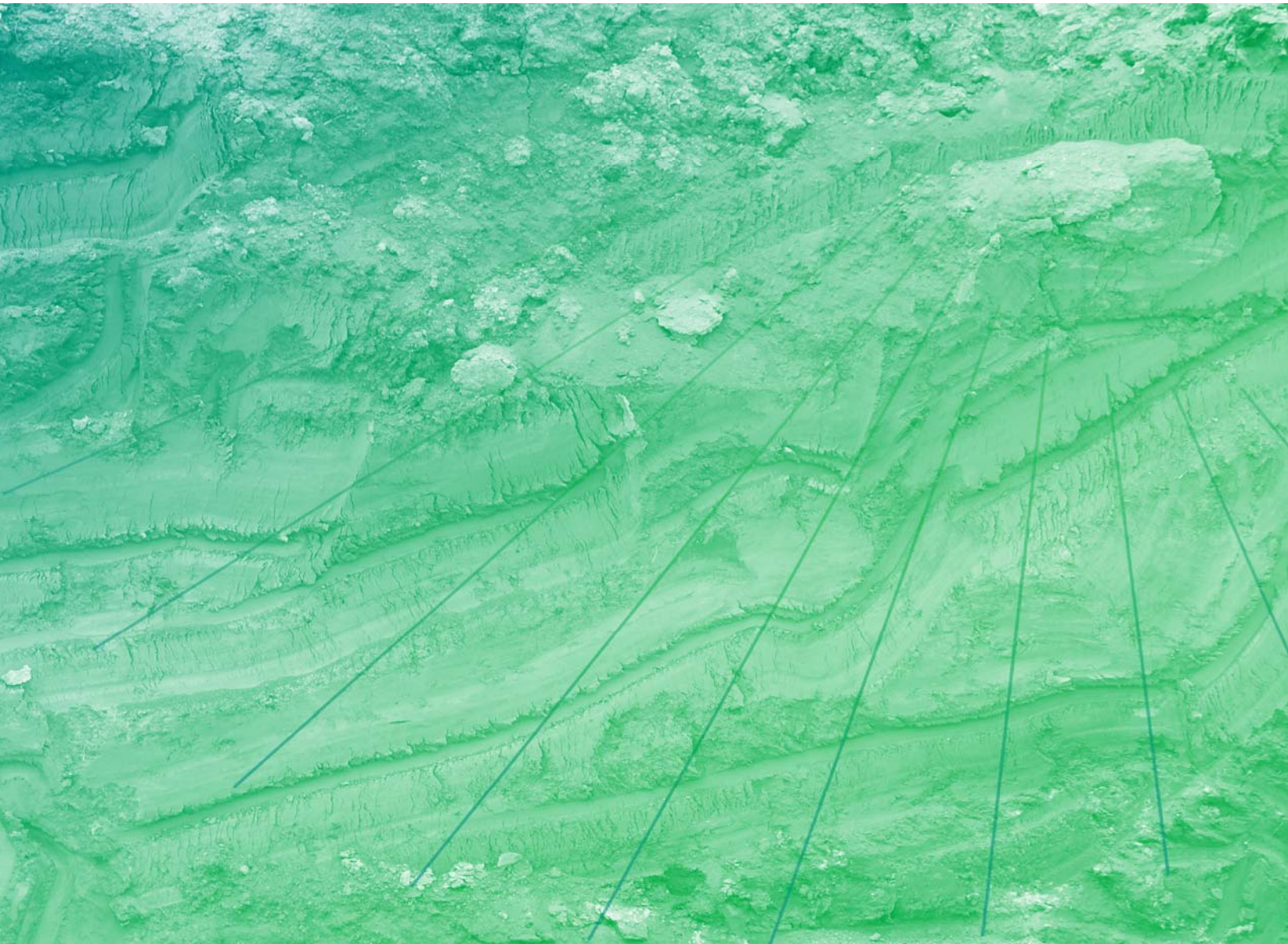
IHS Markit™

UPSTREAM ENERGY

Petra® 2020 HF2

March 2021 | Last updated March 24, 2021



Petra ® 2020 HF2

March 24, 2021

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Overview

This document briefly describes the planned direction of the release of Petra® 2020 HF2. The focus of this release covers the following:

- Enhancements
- Bug Fixes

Questions

If you have any questions, please Contact Us online, by email at customercare@ihsmarkit.com, or by phone. Phone numbers are listed below:

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Petra 2020 Release Notes

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 2020 includes 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).

Petra 2020 Database Upgrade

Petra's internal database has been upgraded form version 3.0 to 4.0 in Petra 2020. We strongly recommend that you create a full maintenance and backup of all Petra projects **BEFORE** installing Petra 2020. For details, refer to the IHS Markit document "Petra 2020 Database Upgrade".

IMPORTANT:	Petra internal database version 4.0 is not backward compatible. Projects created in earlier versions of Petra must be migrated to the new database before they can be opened in Petra 2020 or later.

Backward Compatibility

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.

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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 customercare@ihsmarkit.com.

Requirements

Minimum Hardware		
• 64-bit dual-core machine • 12 GB of physical RAM • 512 Mb of video RAM with OpenGL acceleration9		
Supported Operating Systems	**Install**	**Support**
Windows 10	Yes	Yes
Windows 2012 Server R2	Yes	Yes
Windows 2016 Server	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 paper.

Best Practices

If you are storing your projects on your local hard drive, obtain an NTFS formatted drive large enough to store all 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.

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Enhancements

The following features have been added with the release of Petra 2020.

Petra 2020 Hot Fix 2 (March 2021)

Module	Description
Main	Added Z Data Crossplot option for export to map

Petra 2020 Hot Fix 1 (November 2020)

Application	Description
DBIUpgrade.exe	Added Temp folder free space field and column for project required space to the Project table.

Petra 2020 (October 2020)

Module	Description
Main	• Project database version upgrade • Blue Marble Upgrade • PRODfit import update • DC Production import upgraded performance speed • Zone search expanded passed 6 item limit • Raster pay selection dialog in Calibration module • Intervals: option to bulk edit/delete rows at one time • Additional reordering arrows added to Raster Group Names
Map	• Multiple measurement units added to Overlay Line Attributes for area measured • Apply button for changes on contour a grid • Dynamic well lists added to: o Symbol Highlight tool o Attribute map o Bubble map • Pay interval selection in log plots • North Arrow • RMB modification • Custom size options • Color change options • Landing location added to symbol plot marker • Import batch overlay layer files • Export batch shapefiles • Retain color when capturing discrete bubble map to overlay layer
Cross Section	• Multiple slip boxes • Added slider bar for transparency level • Cross-Section Depths Sorting

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Bugs

The following bug fixes have been made since the release of Petra Standard 2020 v3.14.0

Petra 2020 (March 2021)

Module	Description	Case
Main	Pasting survey data now working correctly	06138774
	Symbol highlights no longer limited to 25 symbol items	06461938
	DC and 298 loader no longer overwriting top/base for prod cums	06708919
	Log Maintenance Delete curves showing incorrect well counts fixed	07003489
	Remove Problem Perfs option, AV error fixed	06982261
	Attr Map now handles dynamic well lists correctly	QA Internal
	Zones Equation Expression adding zone item from equation dialog incorrect zone ID fixed	QA Internal
Map	Zoom on Map no longer causes wells to disappear	QA Internal
	Added back F9 flyby curser support for XY, LatLon	QA Internal
3DVIZ	Issue when plotting perfs fixed	QA Internal

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