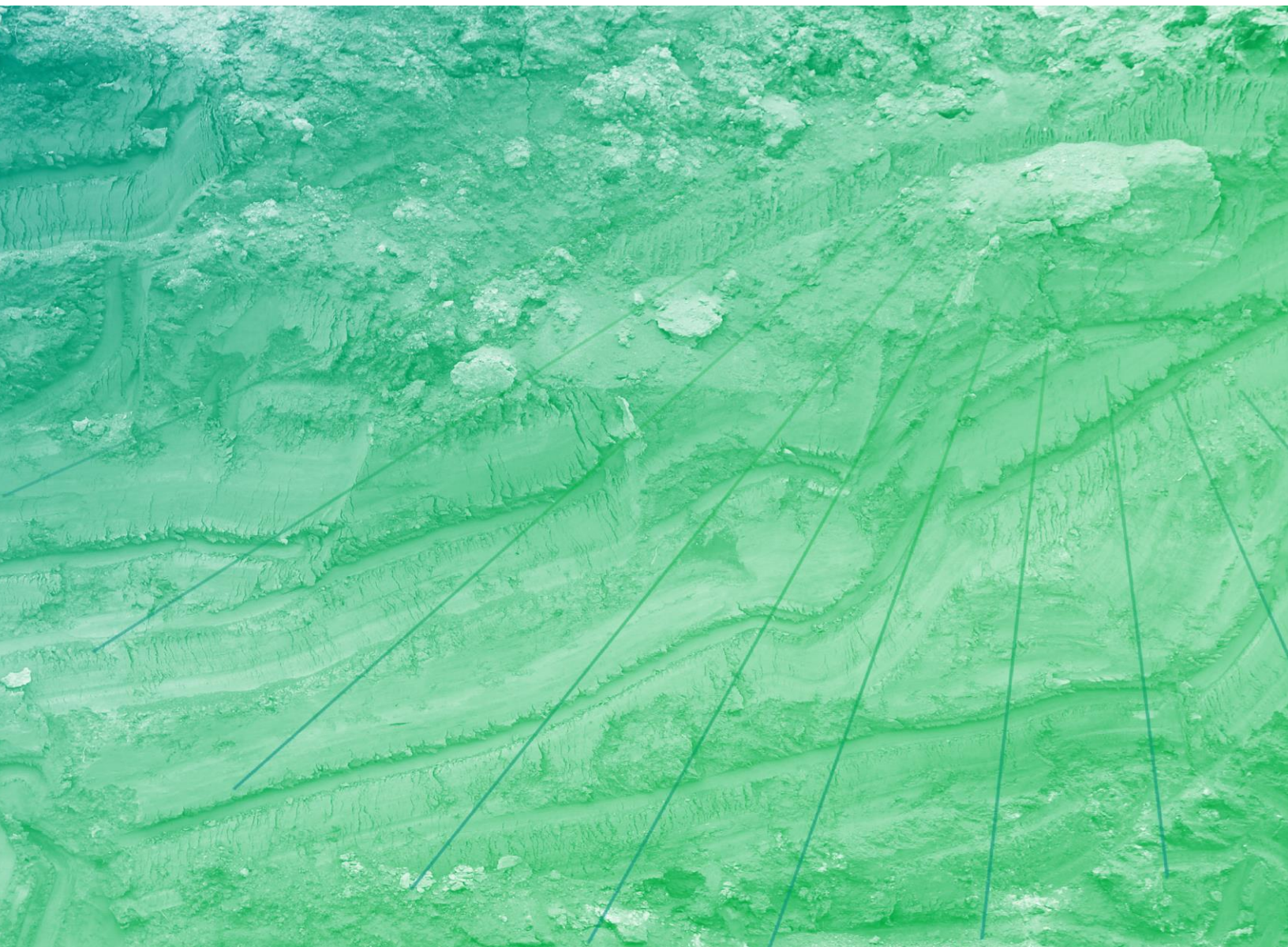


**UPSTREAM ENERGY**

# Petra® 2018 Hot Fix 3

February 2019



## Petra<sup>®</sup> 2018 Hot Fix 3

February 25, 2019

© 1997-2018, IHS Markit and its affiliated and subsidiary companies, all rights reserved.

Portions of this program were developed using LEADTOOLS 1991-2017 LEAD Technologies, Inc. ALL RIGHTS RESERVED. Portions of this product are licensed under US patent 5,327,254 and foreign counterparts.

This product, including software, data and documentation are licensed to the user for its internal business purposes only and may not be disclosed, disseminated, sold, licensed, copied, reproduced, translated or transferred to any third party.

IHS Markit Global Headquarters  
4<sup>th</sup> floor, Ropemaker Place  
25 Ropemaker Street  
London  
EC2Y 9LY  
United Kingdom  
Phone: +44 20 7260 2000

### TRADEMARKS

IHS Markit and the IHS Markit logo are trademarks of IHS Markit. Other trademarks appearing in this publication are the property of IHS Markit or their respective owners.

# Table of Contents

Table of Contents.....	iii
Overview .....	1
Questions.....	1
General .....	2
Louisiana Production ID Updates – Action Required.....	2
Petra Licensing .....	2
Backward Compatibility.....	2
Software Download Capability.....	2
Requirements .....	3
Server Recommendations .....	3
Terminal Services Implementation .....	3
Best Practices .....	3
Enhancements.....	4
August 2018.....	4
June 2018 .....	4
April 2018 .....	4
Bug Fixes.....	5
Petra 2018.2 (October, 2018) .....	5
Petra 2018.1 (June, 2018).....	5
Petra 2018 (April, 2018).....	5

## Overview

This document briefly describes the planned direction of the release of Petra® 2018 Hot Fix 3. 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](mailto: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
Latin & South America	+54 11 4343-8635 +55 21 2588-8145 (Brazil) +52 55 3067-0309 (Mexico City) +55 21 3299-9946 (Rio De Janeiro)

## 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](mailto:petralicensing@ihsmarkit.com).



## Requirements

Minimum Hardware		
<ul style="list-style-type: none"> <li>64-bit dual-core machine</li> <li>12 GB of physical RAM</li> <li>512 Mb of video RAM with OpenGL acceleration</li> </ul>		
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

## October 2018

<b>Main</b>	Removed option for bottom hole location calculated upon directional survey import.
-------------	--

## August 2018

<b>Map</b>	Spatial Energy on Demand by Digital Globe was recently updated for security reasons. Petra versions 2018 and earlier that use an older IHS Markit licensing tool have been updated to access the new Spatial Energy on Demand service. Petra will automatically redirect to the updated WMS service so that layers from earlier versions display as expected.
------------	---

## June 2018

<b>Map</b>	The Spatial Energy on Demand service was updated by Digital Globe for security reasons. Petra redirects to the updated WMS service so that layers from earlier versions display as expected.
------------	--

## April 2018

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

## Bug Fixes

The following bug fixes have been made since the release of Petra Standard 2018

### Petra 2018.3 (February, 2018)

<b>Main</b>	Compute Percentage in zone - grid file location selection now works with UNC	1578366
	Compute Percentages in zone - memory consumption error fixed	1598712

### Petra 2018.2 (October, 2018)

<b>Main</b>	IP Test, FM Test, Cores, Perf tabs blank top and base save correctly	1538819
	Digital log import now rounds up conversion from metric to imperial	1519725
	Computes percentage in wellbore no longer provide inconsistent results due to grids not being reset	1541593
<b>Map</b>	Imagery settings no longer cause Map to stop working on Terminal Services setup	1534699

### Petra 2018.1 (June, 2018)

<b>Cross Section</b>	Deleting overlay with Delete key line no longer causes module to crash.	1485247
----------------------	---	---------

### Petra 2018 (April, 2018)

<b>Main</b>	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
<b>Cross Section</b>	XSect 1 no longer reads XSect 2 private parameters	1459625
<b>Map</b>	Convergence angle mode user information shows corrected True North	1424858