



## RELEASE NOTES

### Incendo Online v3.1.1 Release Notes

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Incendo Online is an Ingenico managed service offer that bridges customer “touch points”, such as EFTPOS terminals, with Value-added Service (VAS) Providers.

Incendo Online version 3.1.1 is a maintenance release of Incendo Online 3.1. It provides extra functionalities and bug corrections.

Compared to previous version, this release includes the following:

- Extension of TML language: Ability to compute a hash value in TML.
- Call-able mode: Incendo Online 3.1.1 offers the ability to call a VAS from a “fat” application, or from another VAS. This allows implementation of complex use-cases involving several applications.

beyond  
payment



## a. New features

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### Extension of TML language:

This version of Incendo Online provides the ability to compute a hash value, which could be useful in some use-cases. Hash values can be either SHA-1 or SHA-256.

### Call-able mode:

Incendo Online 3.1.1 features a new calling mechanism which allows fat applications to invoke and run VAS developed using Incendo Online. Calls from VAS to fat applications are also possible, and so are calls from VAS to VAS. Parameters can be passed to and from the applications in order to build complex customer use-cases such as:

- Tax refund after card payment: once card payment is done, the regular payment application can invoke a tax refund VAS to determine if cardholder is eligible for tax-refund. Card's BIN and purchase amount are transferred from payment application to VAS to determine amount of tax to be refund.
- Implementation of loyalty scheme: once card payment is done, amount of purchases is passed onto a loyalty VAS to determine amount of loyalty points to be credited to cardholder's account.

Of course, some modification of regular card payment application might be necessary to implement these types of use-cases through call-able mechanism.

### Display management on plug-in call:

Plug-in mechanism transfers control of the display from Incendo Online to plug-in. This creates an ugly display switch from Incendo Online-type of display to Telium-type of display. To avoid this, Incendo Online 3.1.1 features plug-in display management allowing a VAS to keep control of the screen while calling a plug-in. This participates to nicer, more visually attractive services on the terminal.



## b. Improvements

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Key	GW/B R	Summary
<b>INCENDO ONLINE 3.1.1</b>		
<a href="#">OE-1874</a>	GW	Creation of new folder which will contains external Webgui WAR files
<a href="#">OE-1869</a>	GW	Double the size of windows when we want to add service to ITID
<a href="#">OE-1854</a>	GW	BTMLPA : add ISC350 and IWL250 to the list of color terminals in btmlpa.properties
<a href="#">OE-1718</a>	GW	Create a server socket used to check gateway is alive = alive port
<a href="#">OE-1714</a>	GW	deploy Web GUI and gateway web services on a separate Webserver (not embedded)
<a href="#">OE-1713</a>	GW	Possibility to create new VAS without stopping the gateway
<a href="#">OE-1667</a>	BR	In Telium Manager's application list, "Incendo" app. should be below the VAS list, not before



## c. Fixed bugs

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Key	GW/B R	Summary
INCENDO ONLINE 3.1.1		
<a href="#">OE-1884</a>	BR	PIN entry reboots terminal
<a href="#">OE-1882</a>	BR	Printing truncated before PIN entry
<a href="#">OE-1872</a>	BR	VAS called by FAT application must have been called from IOBR first
<a href="#">OE-1870</a>	BR	Failing offline posts disrupt access to other services
<a href="#">OE-1864</a>	BR	Need to be able to set OnlineProcessStatus in icc_emv auth
<a href="#">OE-1862</a>	BR	Read using wrong index in icc_tag.c
<a href="#">OE-1855</a>	GW	A java error stack is displayed when IOGW is started with oegw.sh
<a href="#">OE-1853</a>	BR	When a plugin is called and IOBR keeps control of the display, the F1 F2 F3 F4 buttons are displayed
<a href="#">OE-1794</a>	BR	Impossible to upgrade any versions of the browser to browser 3.1 since we signed embedded and fonts parts
<a href="#">OE-1790</a>	BR	Printer output has extra gaps in the output every 128 pixels
<a href="#">OE-1789</a>	GW	Simulator shows unexpected error in case of incorrect initialization
<a href="#">OE-1788</a>	BR	Bad information with tml file bigger than 64kb
<a href="#">OE-1774</a>	BR	Cache is corrupted or modified outside of browser - after 3 hours of idle.
<a href="#">OE-1722</a>	BR	During initialisation, connection to a gateway fails because SSL is enabled on gateway and disabled on terminal, IOBR does not try next gateway
<a href="#">OE-1721</a>	BR	Initialization sometimes fails depending on the order of the 3 GW in field "IP/Port list"
<a href="#">OE-1690</a>	BR	A checkbox group is reset as soon as you try to change it
<a href="#">OE-1688</a>	BR	Attribute width of element colgroup has no effect
<a href="#">OE-1650</a>	BR	Touchscreen is not supported on confirmation screens
<a href="#">OE-1648</a>	BR	ISC350: Use virtual keyboard crash terminal
<a href="#">OE-1634</a>	BR	ITID not used by manager to make a connection for download
<a href="#">OE-1564</a>	GW	HTTP status line in the Gateway response is incorrect
<a href="#">OE-1449</a>	BR	Description of error -32759 should be improved
<a href="#">OE-1341</a>	GW	Session duration calculation is wrong
<a href="#">OE-1149</a>	GW	Only relative links should be allowed within the TML pages
<a href="#">OE-607</a>	BR	TML : restrictions do not work properly for input elements of type password and date
<a href="#">OE-587</a>	BR	Variable permissions: Incorrect handling of external write permission



## Compatibility matrix for Incendo Online browser

<b>IBR</b>	<b>3.0.1.0</b>	<b>3.0.2.0</b>	<b>3.0.3.0</b>	<b>3.0.4.0</b>	<b>3.0.5.0</b>	<b>3.1</b>	<b>3.1.1</b>
SDK IOGW	3.0.1.0	3.0.2.0	3.0.2.0	3.0.4.0	3.0.5.0	3.1	3.1.1
<b>Unicapt 32</b>							
UC32 OS	3.6.9	N/A	N/A	N/A	N/A	N/A	N/A
GMA	1.82.6	N/A	N/A	N/A	N/A	N/A	N/A
<b>Telium 1 (w/o Ingetrust)</b>							
Telium SDK	7.1	N/A	N/A	N/A	N/A	N/A	N/A
"Easy Path To EMV"	18	N/A	N/A	N/A	N/A	N/A	N/A
Telicapt	2.0.4	N/A	N/A	N/A	N/A	N/A	N/A
EMV Migration Layer	1.5	N/A	N/A	N/A	N/A	N/A	N/A
<b>Telium 1 (w/ Ingetrust), Telium 2</b>							
Telium SDK	7.1	7.3	7.5.1	8.0.1	8.1	8.2	9.0
"Easy Path To EMV"	18	19	19	19	19 or 20.1	19 or 20.1	19 or 20.1
Telicapt	2.0.4	N/A	N/A	N/A	N/A	N/A	N/A
EMV Migration Layer	1.5	1.9	1.9	1.9	1.9	1.9	1.9

Unicapt 32: Aqua, i5100, i5310, i6550, i6580, i6770, i6780, i8550.

Telium 1 w/o Ingetrust: EFT SMART, EFT 930S, EFT 930G.

Telium 1 w/ Ingetrust: EFT 930GCC, EFT 930BCC upon specific request.

Telium 2: iCT 2xx, iWL 2xx, iSC 3xx, iSC 2xx.