
Subject: Re: IDL 8.0 now available

Posted by [Michael Galloy](#) on Thu, 22 Jul 2010 21:17:41 GMT

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On 7/22/10 2:00 PM, BillO wrote:

- > IDL 8.0 is now available for download from the ITT VIS website. This
- > is a major, significant development effort for IDL that includes:
- > - Graphics That Are Powerful Yet Easy - New graphics functions for
- > plot, surface, contour, image and map create dynamic, presentation-
- > quality visualizations.
- > - Enhanced, Expanded Programming Language - New control features, core
- > data types and a modern scripting syntax that is familiar makes
- > developing IDL code and applications fast and easy.
- > - Simplified, More Intuitive Development Environment - The IDL
- > workbench has been streamlined so it's easier to create, edit and
- > debug your IDL code.
- > - Redesigned Help System - The online help has been redesigned to make
- > it easier to learn IDL with a focus on tasks and how to do it in IDL.
- >
- > License administrators for licenses that are current on maintenance
- > will receive an email about how to upgrade to IDL 8.0. For more
- > information about IDL 8.0, visit <http://www.ittvis.com/ProductServices/IDL/LatestRelease.aspx> .

I'll again go through a few of the new features of the release on my site. The first topic is the new list and hash types:

<http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html>

Mike

--

www.michaelgalloy.com

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Subject: Re: IDL 8.0 now available

Posted by duxiyu@gmail.com on Fri, 23 Jul 2010 10:34:49 GMT

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On Jul 22, 10:00 pm, BillO <bok...@ittvis.com> wrote:

- > IDL 8.0 is now available for download from the ITT VIS website. This
- > is a major, significant development effort for IDL that includes:
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> information about IDL 8.0, visit <http://www.ittvis.com/ProductServices/IDL/LatestRelease.aspx>.
>
> Bill Okubo, IDL Product Manager
I cannot download the new version for trial.
It seems that I must wait for the approval from ITT VIS.
But I do not know how long it will take.
Is there anybody who has downloaded it and is using it?

Best regards,
jdu

Subject: Re: IDL 8.0 now available
Posted by [Peter Clinch](#) on Fri, 23 Jul 2010 10:49:17 GMT
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duxiyu@gmail.com wrote:

> I cannot download the new version for trial.
> It seems that I must wait for the approval from ITT VIS.
> But I do not know how long it will take.
> Is there anybody who has downloaded it and is using it?

Download works fine. I've not been sent my new license yet, so it only lasts 7 minutes, /but/ at least I can leave it running with the "you have run out of time" dialog up while reading through as much of the Help on the new stuff as I want.

Pete.

--

Peter Clinch Medical Physics IT Officer
Tel 44 1382 660111 ext. 33637 Univ. of Dundee, Ninewells Hospital
Fax 44 1382 640177 Dundee DD1 9SY Scotland UK
net.p.j.clinch@dundee.ac.uk <http://www.dundee.ac.uk/~pjclinch/>

Subject: Re: IDL 8.0 now available
Posted by [Nigel Wade](#) on Fri, 23 Jul 2010 11:06:16 GMT
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On 23/07/10 11:34, duxiyu@gmail.com wrote:

> On Jul 22, 10:00 pm, BillO <bok...@ittvis.com> wrote:

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>>

>> Bill Okubo, IDL Product Manager

> I cannot download the new version for trial.

> It seems that I must wait for the approval from ITT VIS.

> But I do not know how long it will take.

I'm still waiting for approval to download 7.1, which was submitted on the 21st May. So don't hold your breath. I emailed ITTVIS to report the problem, they said my account was now fixed and I would be able to download. Wrong, it still requires approval, and I'm still waiting...

--

Nigel Wade

Subject: Re: IDL 8.0 now available

Posted by [Craig Markwardt](#) on Fri, 23 Jul 2010 13:33:30 GMT

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On Jul 22, 5:17 pm, mgalloy <mgal...@gmail.com> wrote:

> On 7/22/10 2:00 PM, BillO wrote:

>

>

>

>> IDL 8.0 is now available for download from the ITT VIS website. This

>> is a major, significant development effort for IDL that includes:

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> site. The first topic is the new list and hash types:
>
> <http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html>

Thanks for your write up!

It really takes 15 seconds to add 200 elements to a hash list????
[based on your final chart.]

Craig

Subject: Re: IDL 8.0 now available
Posted by [Michael Galloy](#) on Fri, 23 Jul 2010 17:53:43 GMT
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On 7/23/10 7:33 AM, Craig Markwardt wrote:
> It really takes 15 seconds to add 200 elements to a hash list????
> [based on your final chart.]

Ah, that's 200K elements. Post is updated, with source code for timing
and creating graph.

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: IDL 8.0 now available

Posted by [Michael Galloy](#) on Fri, 23 Jul 2010 17:55:53 GMT

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On 7/23/10 4:34 AM, duxiyu@gmail.com wrote:

- > I cannot download the new version for trial.
- > It seems that I must wait for the approval from ITT VIS.
- > But I do not know how long it will take.
- > Is there anybody who has downloaded it and is using it?

I get that error also when I try to download IDL (not just 8.0, it happens frequently). Trying again, switching between updating and evaluating, etc, seems to get it to work.

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: IDL 8.0 now available

Posted by [Michael Galloy](#) on Mon, 26 Jul 2010 16:50:31 GMT

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On 7/22/10 3:17 PM, mgalloy wrote:

- > I'll again go through a few of the new features of the release on my
- > site. The first topic is the new list and hash types:
- >
- > [http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes .html](http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html)
- >
- > Mike

Next topic is the new help system:

<http://michaelgalloy.com/2010/07/26/idl-8-0-help.html>

Mike

--

www.michaelgalloy.com
Research Mathematician
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Subject: Re: IDL 8.0 now available

Posted by [Michael Galloy](#) on Tue, 27 Jul 2010 17:13:01 GMT

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On 7/26/10 10:50 AM, mgalloy wrote:
> On 7/22/10 3:17 PM, mgalloy wrote:
>> I'll again go through a few of the new features of the release on my
>> site. The first topic is the new list and hash types:
>>
>> <http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html>
>>
>> Mike
>
> Next topic is the new help system:
>
> <http://michaelgalloy.com/2010/07/26/idl-8-0-help.html>
>
> Mike
>

Operator overloading:

<http://michaelgalloy.com/2010/07/27/idl-8-0-operator-overloading.html>

Mike

--

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Subject: Re: IDL 8.0 now available
Posted by [Paul Van Delst\[1\]](#) on Fri, 30 Jul 2010 14:15:33 GMT
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mgalloy wrote:
> On 7/26/10 10:50 AM, mgalloy wrote:
>
> Operator overloading:
>
> <http://michaelgalloy.com/2010/07/27/idl-8-0-operator-overloading.html>

Very cool.

I do wonder why the overloading syntax is implemented like so:

function mgffhdf5file::_overloadBracketsRightSide,

rather than something like

function mgffhdf5file::_overload[],

?

Is there a BracketsLeftSide overload option? If so, that could have been

function mgffhdf5file::_overload[]=,

Similarly for the usual operators. Why
function myclass::_overloadPlus, left, right
instead of
function myclass::_overload+, left, right
?

(and, yes, I am thinking of the ruby way).

Given the fact that there is an "_overload" prefix, I would've thought it easy to correctly parse everything between that and the next "," to correctly interpret the operator or operation to be overloaded.

BTW, does IDL 8.0 have the ability to create user defined operators?

cheers,

paulv

Subject: Re: IDL 8.0 now available
Posted by [Michael Galloy](#) on Tue, 03 Aug 2010 17:36:12 GMT
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On 7/27/10 11:13 AM, mgalloy wrote:
> On 7/26/10 10:50 AM, mgalloy wrote:
>> On 7/22/10 3:17 PM, mgalloy wrote:
>>> I'll again go through a few of the new features of the release on my
>>> site. The first topic is the new list and hash types:
>>>
>>> <http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html>
>>>
>>> Mike
>>
>> Next topic is the new help system:
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>> <http://michaelgalloy.com/2010/07/26/idl-8-0-help.html>
>>
>> Mike
>>
>
> Operator overloading:
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>
> Mike

The new Workbench:

<http://michaelgalloy.com/2010/08/03/idl-8-0-idl-workbench.html>

I think there will be two more articles: the new graphics system and other language changes.

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: IDL 8.0 now available

Posted by [Michael Galloy](#) on Mon, 09 Aug 2010 22:04:20 GMT

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On 8/3/10 11:36 AM, mgalloy wrote:

> On 7/27/10 11:13 AM, mgalloy wrote:

>> On 7/26/10 10:50 AM, mgalloy wrote:

>>> On 7/22/10 3:17 PM, mgalloy wrote:

>>>> I'll again go through a few of the new features of the release on my
>>>> site. The first topic is the new list and hash types:

>>>>

>>>> <http://michaelgalloy.com/2010/07/22/idl-8-0-lists-and-hashes.html>

>>>>

>>>> Mike

>>>

>>> Next topic is the new help system:

>>>

>>> <http://michaelgalloy.com/2010/07/26/idl-8-0-help.html>

>>>

>>> Mike

>>>

>>

>> Operator overloading:

>>

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>>

>> Mike

>

> The new Workbench:

>

> <http://michaelgalloy.com/2010/08/03/idl-8-0-idl-workbench.html>

>

> I think there will be two more articles: the new graphics system and
> other language changes.

>

> Mike

Here's the article on other language changes, i.e., negative subscripts,
!null, automatic garbage collection, and other changes to object syntax:

<http://michaelgalloy.com/2010/08/09/idl-8-0-other-language-changes.html>

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation
