

# TeamRoom Plus

IBM TeamRoom

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	09-Mar-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 09-Mar-11

Last Modified by Steve Hanson on 31-Mar-11

## OGF DFDL Working Group Call , 09 March 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time ? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 09 March 2011

##### Attendees

Alan Powell (IBM)  
Steve Hanson (IBM)  
Bob McGrath (NCSA)

##### Apologies

Joe Futrelle (NCSA)  
Stephanie Fetzer (IBM)  
Suman Kalia (IBM)

#### 1. Current Actions

Updated below

#### 2. AOB

OGF are putting proposals to the Google Summer of Code. Bob has been involved in previous year and will talk to Joe to see if it would help him.

Steve has been asked if he would like to present at the Baliage Conference in Montreal. Discussed whether it could be a joint presentation with NCSA. Bob to talk to Joe

Meeting closed, 15:50

Next call Wednesday 16 March 2011 15:00 UK (10:00 ET)

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 138

### Actions raised at this meeting

No	Action

### Current Actions :

No	Action
066	Investigate format for defining test cases 25/11:IBM to see if it is possible to publish its test case format . 04/12: no update ... 17/02: IBM is willing in principle to publish the test case format and some of the test cases . May need some time to build a 'compliance suite' 24/03: No progress 03/03: Discussions have been taking place on the subset of tests that will be provided . 10/03: work is progressing 17/03: work is progressing

	<p>31/03: work is progressing</p> <p>14/04: And XML test case format has been defined and is being tested.</p> <p>21/04: Schema for TDML defined. Need to define how this and the test cases will be made public</p> <p>05/05: Work still progressing</p> <p>12/05: Work still progressing</p> <p>02/06: Work still progressing on technical and legal considerations</p> <p>...</p> <p>25/08: Will chase to allow Daffodil access to test cases. The WG should define how implementation confirm that they 'conform to DFDL v1'</p> <p>01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it can, ahead of a full compliance suite.</p> <p>08/09: IBM still progressing</p> <p>15/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>22/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>29/09: Test cases are being prepared.</p> <p>06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.</p> <p>13/10: Still progressing</p> <p>10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil</p> <p>17/11: Work is progressing on verifying the test cases. It should be possible to distribute to the WG in 2 weeks.</p> <p>24/11: About half the test cases have been completed and are being reviewed internally.</p> <p>01/12: Test cases should be available shortly</p> <p>08/12: The test cases are in internal IBM review. Probably need a bit of reorganising before publication</p> <p>Stephanie gave a brief overview of the format of the test cases.</p> <p>15/12: Ruth joined the call to provide the latest status. The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.</p> <p>22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser</p> <p>12/01: All current tests use a default format which Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.</p> <p>19/01: There is currently no resource available in IBM to make more tests available. IBM to discuss how/if it can make a 'minimal compliance test suite' available.</p> <p>26/01: Action kicked off within IBM. There was a brief discussion about naming and organisation of test cases but no preferences were expressed</p> <p>02/02: IBM will not have the resources to develop a full test suite in the near future. Steve suggested that we produce a list of required test cases so that anyone could supply them.</p> <p>09/02: Steve had previously sent a list of areas to be tested. Please review.</p> <p>23/02: Please review Steve's list of areas to be tested</p> <p>02/03: Alan had reviewed Steve's list and we went through his comments. Agreed there is no need for separate tests for the infoset or for dfdl: property lists, unions etc but comment will be added that these should be exercised during property testing.</p> <p>09/03: <a href="#">Alan updated the test document. Need more introduction and [erhaps adopting the OGF template.</a></p>
111	<p><b>Daffodil DFDL parser</b></p> <p>11/08: Bob and Alejandro described the new implementation that they have developed. It is a new code base and is not based on the Defudle prototype. It is written in scala and implements approximately 80% of the features in the public comments draft of DFDL V1. Alejandro will send a list of the features not implemented.</p> <p>We discussed the scenarios that motivated the development which was to extract data from various sources and transform into canonical formats.</p> <p>Bob offered to make Daffodil available for the WG to assess the functionality. IBM WG members will get approval the company to allow them to receive Daffodil.</p> <p>Bob raised the question that if Daffodil becomes the public implementation of DFDL then we will need to work out how that would be funded and managed.</p>

It would be helpful if IBM test cases were available to Daffodil. IBM will investigate

25/08: Alejandro had sent a list of the functions that he has implemented and Steve and responding indicating the extra functions he thought were essential.

Since then Alejandro has implemented some of the missing functions, such as escape schemes, pre-defined variables, binary decimal numbers, etc, and will update his list.

Bob is planning to make the parser available on the internet to allow testing.

His organisation is being reorganised and he doesn't know what the priority of Daffodil will be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.

01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.

Daffodil being placed under formal source control in anticipation of external release.

Bob has a start October deadline to create a report on what has been done for his sponsors. It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.

08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement. Bob expects Daffodil to be available on the web soon.

15/09: Alejandro had indicated in the specification which functions were implemented in Daffodil. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.

22/09: not discussed

29/09: not discussed

06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.

13/10: Bob still progressing project funding and making Daffodil publically available.

10/11: NCSA internal & sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.

17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.

24/11: not discussed

01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.

08/12: Disclosure process in progressing. Bob has permission to make the web page available so hopefully that will be soon.

The US National Archive have an article on their website about DFDL. Unfortunately it is a little out of date.

15/12: Hope to get permission to make the source code available within days. Web demo page will be available when resources have been identified.

22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.

12/01: Web site has been move to a public URL <http://daffodil.ncsa.uiuc.edu/>. Joe thinks there are multiple problems that will show up when he can run the test cases.

19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is. Discussed if there are ways the WG could help. Suggestions

- Help review the code
- Review the Daffodil test cases for correctness
- Simplify the IBM test cases to be 'unit tests'

Alan to ask for permission to review test cases and possibly simplifying the IBM test cases

26/01: Joe has not had any time to work on Daffodil. We briefly discussed if it was possible to use XSLT to transform test cases so they didn't use defaulting but it didn't seem possible and effort would be better targetted at the Daffodil code.

Alan had asked for permission to view test cases and subsequently heard that it has been given.

02/02: Joe will send the Daffodil test cases for Alan to review.

09/02: Alan has received the test cases and will feed back comments. Joe is looking at

	<p>support for the default format</p> <p>16/02: Alan has corrected some of the daffodil test cases and identified common problems</p> <p>23/02: No update</p> <p>02/03: no progress</p> <p>09/03: <a href="#">no progress</a></p>
112	<p><b>DFDL certification process</b></p> <p>25/08: Discussed how to certify DFDL implementations. Alan to investigate if OGF have a defined process.</p> <p>01/09: In progress, spec needs to state what conformance means, as part of this work</p> <p>08/09: Discussed what needs to be said in the spec and agreed that details of a conformance test suite should be in another document.</p> <p>Alan to draft conformance section.</p> <p>15/09: Alan had look at the conformance sections in XML and Schema specifications both of which indicate sections which must be implemented. None just say 'execute the test suite'. They talk in terms of conformance of document, schema and processors..</p> <p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p> <p>26/01: Waiting for test suite.</p> <p>02/02: We need to document the intention of providing a test suite as the compliance process.</p> <p>09/02: Alan will create a 'DFDL conformance' document that will state that a test suite will be is being developed.</p> <p>23/02: no update</p> <p>02/03: no progress</p> <p>09/03: <a href="#">see action 066</a></p>
123	<p><b>DFDL tutorial</b></p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.</p> <p>26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.</p> <p>02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.</p>

	<p>09/02: Steve had reviewed tutorials 3,4,5 and updated versions have been distributed. Joe reviewed lesson on text elements.</p> <p>Main points. Using 'represented as text' is confusing. Examples are too cluttered. Suggest simple targeted examples but still build up to final complete schema</p> <p>23/02: New versions distributed and Steve has commented.</p> <p>02/03: Alan has published the final versions of tutorials 4,5,6 and is working on text representations. There was some discussion about the detail that needs to be covered. Should limit it to 'common usage' and refer to the spec for details of edge cases.</p> <p><a href="#">09/03: Alan distributed an update to the text tutorial. Please review</a></p>
124	<p><b>DFDL web content on OGF standards pages</b></p> <p>13/10: no progress</p> <p>10/11: no progress</p> <p>17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no word about is it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p> <p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul> <p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p> <p>26/01: Still not heard from Joel about OGF web pages.</p> <p>PDF versions of the Specification and tutorials have been uploaded to gridforge.</p> <p>02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.</p> <p>09/02: Wikipedia DFDL page is available.</p> <p>23/02: All sites except Defuddle have been updated.</p> <p>02/03: NCSA web pages have been updated. The DFDL WG home page needs updating and should provide links to spec and tutorials.</p> <p><a href="#">09/03: Steve has updated the DFDL WG home page and is in contact with Edinburgh University to update an old DFDL presentation. Would like to have a separate DFDL tutorial page to link to the individual lessons.</a></p> <p><a href="#">Bob will chase the old defuddle web pages</a></p>
129	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>....</p> <p><a href="#">02/03: no progress</a></p>
131	<p>Transformation of dfdl properties to a canonical form</p> <p>08/12: Joe has produced a XSLT to transform a DFDL schema to a canonical element form. When tested it should be made available on the WG gridforge site.</p> <p>15/12: Alan tested against test dfdl schema which worked correctly (after fixing some errors in the schema)</p> <p>22/12: no update</p> <p>12/01: Joe has some defects to fix before making available on gridforge.</p> <p>19/01: There is a difficult problem to solve before Joe make the style sheet public</p>

	<p>26/01: Working on problems</p> <p>02/02: no progress</p> <p>09/02: As it wasn't a simple as exoected this will be treated as a low priority action</p> <p>23/02: low prioity</p> <p>09/03: low priority</p>
132	<p><b>Publishing DFDL xsd</b></p> <p>08/12: Agreed that it should be made available. Suman has started the approval process in IBM</p> <p>15/12: no progress</p> <p>22/12: no update</p> <p>12/01: Suman is getting approval from IBM to publish.</p> <p>19/01: Waiting to get IBM approval to publish</p> <p>26/01: no update</p> <p>02/02: No update</p> <p>09/02: no update</p> <p>23/02: no update</p> <p>02/03: Suman is working through the IBM process to permit publication. There was discussion about what licence the XSD would be published under and how that would effect use in products. Suman to investigate</p> <p>09/03: no update</p>
133	<p>Make a set of default formats available (SKK)</p> <p>19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish</p> <p>26/01: Stephanie sent the defaults used by test cases to Suman</p> <p>02/02: no update</p> <p>09/02: no update</p> <p>23/02: no update</p> <p>02/03: Same as 132</p> <p>09/03: no update</p>
136	<p>Arrays with missing elements</p> <p>There is a problem when there are empty/missing array elements with an index greater than minOccurs. For example:</p> <p>xs:element name="array" minOccurs=0, maxOccurs=10 lengthKind='delimited'</p> <p>Datastream: ,,value3,value4</p> <p>InfoSet will contain:</p> <p>array[1] = value3</p> <p>array[2] = value4</p> <p>This is because elements with an index greater than minOccurs are optional and so do not get defaulted.</p> <p>Unparsing this infoSet will produce:</p> <p>Datastream: value3,value4</p> <p>You could make the empty space (%ES;) the nil value which will work for simple elements but not for complex.</p> <p>InfoSet will contain:</p> <p>array[1] = nil</p> <p>array[2] = nil</p> <p>array[3] = value3</p> <p>array[4] = value4</p> <p>23/02: Discussed options</p> <p>1. Changed definition of required for arrays to be 'required up to the last instance in the data stream of the array'</p>

	2. add index to the element info item Steve to investigate if XDM uses an index. 02/03:no progress 09/03: no update
137	Map DFDL info set to XDM This is an old workitem 02/03:no progress 09/03: no update

### Closed actions

No	Action

### Work items:

No	Item	target version
042	Mapping of the DFDL info set to XDM	none



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Created by Alan Powell on 02-Mar-11

Last Modified by Alan Powell on 02-Mar-11

## OGF DFDL Working Group Call , 02 March 2011

### Agenda

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Steve Hanson (IBM)  
Bob McGrath (NCSA)  
Stephanie Fetzner (IBM)  
Suman Kalia (IBM)

##### Apologies

Joe Futrelle (NCSA)

##### 1. Current Actions

[Updated below](#)

##### 2. AOB

Meeting closed, 15:50

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	<p>be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.</p> <p>01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.</p> <p>Daffodil being placed under formal source control in anticipation of external release.</p> <p>Bob has a start October deadline to create a report on what has been done for his sponsors. It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.</p> <p>08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement. Bob expects Daffodil to be available on the web soon.</p> <p>15/09: Alejandro had indicated in the specification which functions were implemented in Daffodil. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.</p> <p>22/09: not discussed</p> <p>29/09: not discussed</p> <p>06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.</p> <p>13/10: Bob still progressing project funding and making Daffodil publically available.</p> <p>10/11: NCSA internal &amp; sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.</p> <p>17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.</p> <p>24/11: not discussed</p> <p>01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.</p> <p>08/12: Disclosure process in progressing. Bob has permission to make the web page available so hopefully that will be soon.</p> <p>The US National Archive have an article on their website about DFDL. Unfortunately it is a little out of date.</p> <p>15/12: Hope to get permission to make the source code available within days. Web demo page will be available when resources have been identified.</p> <p>22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.</p> <p>12/01: Web site has been move to a public URL <a href="http://daffodil.ncsa.uiuc.edu/">http://daffodil.ncsa.uiuc.edu/</a>. Joe thinks there are multiple problems that will show up when he can run the test cases.</p> <p>19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is. Discussed if there are ways the WG could help. Suggestions</p> <ul style="list-style-type: none"> <li>- Help review the code</li> <li>- Review the Daffodil test cases for correctness</li> <li>- Simplify the IBM test cases to be 'unit tests'</li> </ul> <p>Alan to ask for permission to review test cases and possibly simplifying the IBM test cases</p> <p>26/01: Joe has ot had any time to work on Daffodil. We briefly discussed if it was possible to use XSLT to transform test cases so they didn't use defaulting but it didn't seem possible and effort would be better targetted at the Daffodil code.</p> <p>Alan had asked for permission to view test cases and subsequently heard that it has been given.</p> <p>02/02: Joe will send the Daffodil test cases for Alan to review.</p> <p>09/02: Alan has received the test cases and will feed back comments. Joe is looking at support for the default format</p> <p>16/02: Alan has corrected some of the daffodil test cases and identified common problems</p> <p>23/02: No update</p> <p>02/03: <a href="#">no progress</a></p>
112	<p><b>DFDL certification process</b></p> <p>25/08: Discussed how to certify DFDL implementations. Alan to investigate if OGF have a defined process.</p>

	<p>01/09: In progress, spec needs to state what conformance means, as part of this work</p> <p>08/09: Discussed what needs to be said in the spec and agreed that details of a conformance test suite should be in another document.</p> <p>Alan to draft conformance section.</p> <p>15/09: Alan had look at the conformance sections in XML and Schema specifications both of which indicate sections which must be implemented. None just say 'execute the test suite'. They talk in terms of conformance of document, schema and processors..</p> <p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p> <p>26/01: Waiting for test suite.</p> <p>02/02: We need to document the intention of providing a test suite as the compliance process.</p> <p>09/02: Alan will create a 'DFDL conformance' document that will state that a test suite will be is being developed.</p> <p>23/02: no update</p> <p>02/03: no progress</p>
123	<p><b>DFDL tutorial</b></p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.</p> <p>26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.</p> <p>02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.</p> <p>09/02: Steve had reviewed tutorials 3,4,5 and updated versions have been distributed. Joe reviewed lesson on text elements.</p> <p>Main points. Using 'represented as text' is confusing. Examples are too cluttered. Suggest simple targeted examples but still build up to final complete schema</p> <p>23/02: New versions distributed and Steve has commented.</p> <p>02/03: Alan has published the final versions of tutorials 4,5,6 and is working on text respresentations. There was some discussion about the detail that needs to be covered. Should limit it to 'common usage' and refer to the spec for details of edge cases.</p>
124	<p><b>DFDL web content on OGF standards pages</b></p>

	<p>13/10: no progress  10/11: no progress  17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no word about is it was discussed/approved at OGF meeting  15/12: no progress  22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.  12/01: Not heard from Joel about updated OGF pages Alan to chase.  Will also track other site updates: Wikipedia, IBM developerworks etc.  19/01: Still no response from Joel.  Other web site that need updating  - IBM virtual XML  - Defuddle  - Wikipedia  - Need google trawl for others  Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.  26/01: Still not heard from Joel about OGF web pages.  PDF versions of the Specification and tutorials have been uploaded to gridforge.  02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.  09/02: Wikipedia DFDL page is available.  23/02: All sites except Defuddle have been updated.  02/03: <a href="#">NCSA web pages have been updated. The DFDL WG home page needs updating and should provide links to spec and tutorials.</a></p>
129	<p>Press release to publicise DFDL  Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.  17/11: no progress</p> <p>08/12: Still no response from IBM press office  15/12: no progress  .....  02/03: <a href="#">no progress</a></p>
131	<p>Transformation of dfdl properties to a canonical form  08/12: Joe has produced a XSLT to transform a DFDL schema to a canonical element form. When tested it should be made available on the WG gidforge site.  15/12: Alan tested against test dfdl schema which worked correctly (after fixing some errors in the schema)  22/12: no update  12/01: Joe has some defects to fix before making available on gridforge.  19/01: There is a difficult problem to solve before Joe make the style sheet public  26/01: Working on problems  02/02: no progress  09/02: As it wasn't a simple as exoected this will be treated as a low priority action  23/02: low prioity</p>
132	<p><b>Publishing DFDL xsd</b>  08/12: Agreed that it should be made available. Suman has started the approval process in IBM  15/12: no progress  22/12: no update  12/01: Suman is getting approval from IBM to publish.  19/01: Waiting to get IBM approval to publish  26/01: no update  02/02: No update</p>

	<p>09/02: no update 23/02: no update 02/03: Suman is working through the IBM process to permit publication. There was discussion about what licence the XSD would be published under and how that would effect use in products. Suman to investigate</p>
133	<p>Make a set of default formats available (SKK) 19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish 26/01: Stephanie sent the defaults used by test cases to Suman 02/02: no update 09/02: no update 23/02: no update 02/03: Same as 132</p>
136	<p>Arrays with missing elements</p> <p>There is a problem when there are empty/missing array elements with an index greater than minOccurs. For example:</p> <p>xs:element name="array" minOccurs=0, maxOccurs=10 lengthKind='delimited'</p> <p>Datastream: ,,,value3,value4</p> <p>Infoset will contain: array[1] = value3 array[2] = value4</p> <p>This is because elements with an index greater than minOccurs are optional and so do not get defaulted.</p> <p>Unparsing this infoset will produce:</p> <p>Datastream: value3,value4</p> <p>You could make the empty space (%ES;) the nil value which will work for simple elements but not for complex.</p> <p>Infoset will contain: array[1] = nil array[2] = nil array[3] = value3 array[4] = value4</p> <p>23/02: Discussed options 1. Changed definition of required for arrays to be 'required up to the last instance in the data stream of the array' 2. add index to the element info item Steve to investigate if XDM uses an index. 02/03: no progress</p>
137	<p>Map DFDL infoset to XDM This is an old workitem 02/03: no progress</p>

### Closed actions

No	Action

**Work items:**

<b>N o</b>	<b>Item</b>	<b>target version</b>
<b>0 4 2</b>	Mapping of the DFDL info set to XDM	none



# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	23-Feb-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 23-Feb-11

Last Modified by Alan Powell on 23-Feb-11

## OGF DFDL Working Group Call , 23February 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 23 February 2011

##### Attendees

Alan Powell (IBM)  
Steve Hanson (IBM)  
Bob McGrath (NCSA)

##### Apologies

Suman Kalia (IBM)  
Joe Futrelle (NCSA)  
Stephanie Fetzner (IBM)

#### 1. Current Actions

[Updated below](#)

#### 2. AOB

[Alan Sill has contacted Steve to understand the relationship between DFDL and other cloud standards. Steve responded that DFDL was complimentary and should, in most cases, be referenced where XML is referenced.](#)

Meeting closed, 15:30

Next call Wednesday 2 March 2011 15:00 UK (10:00 ET)

#### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

#### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 138

#### Actions raised at this meeting

No	Action
137	<a href="#">Map DFDL info set to XDM</a> <a href="#">This is an old workitem</a>

#### Current Actions :

No	Action
066	Investigate format for defining test cases 25/11: IBM to see if it is possible to publish its test case format . 04/12: no update ... 17/02: IBM is willing in principle to publish the test case format and some of the test cases . May need some time to build a 'compliance suite' 24/03: No progress 03/03: Discussions have been taking place on the subset of tests that will be provided . 10/03: work is progressing 17/03: work is progressing 31/03: work is progressing 14/04: And XML test case format has been defined and is being tested. 21/04. Schema for TDML defined. Need to define how this and the test cases will be made

	<p>public</p> <p>05/05: Work still progressing</p> <p>12/05: Work still progressing</p> <p>02/06: Work still progressing on technical and legal considerations</p> <p>...</p> <p>25/08: Will chase to allow Daffodil access to test cases. The WG should define how implementation confirm that they 'conform to DFDL v1'</p> <p>01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it can, ahead of a full compliance suite.</p> <p>08/09: IBM still progressing</p> <p>15/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>22/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>29/09: Test cases are being prepared.</p> <p>06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.</p> <p>13/10: Still progressing</p> <p>10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil</p> <p>17/11: Work is progressing on verifying the test cases. It should be possible to distribute to the WG in 2 weeks.</p> <p>24/11: About half the test cases have been completed and are being reviewed internally.</p> <p>01/12: Test cases should be available shortly</p> <p>08/12: The test cases are in internal IBM review. Probably need a bit of reorganising before publication</p> <p>Stephanie gave a brief overview of the format of the test cases.</p> <p>15/12: Ruth joined the call to provide the latest status. The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.</p> <p>22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser</p> <p>12/01: All current tests use a default format which Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.</p> <p>19/01: There is currently no resource available in IBM to make more tests available. IBM to discuss how/if it can make a 'minimal compliance test suite' available.</p> <p>26/01: Action kicked off within IBM. There was a brief discussion about naming and organisation of test cases but no preferences were expressed</p> <p>02/02: IBM will not have the resources to develop a full test suite in the near future. Steve suggested that we produce a list of required test cases so that anyone could supply them.</p> <p>09/02: Steve had previously sent a list of areas to be tested. Please review.</p> <p><a href="#">23/02: Please review Steve's list of areas to be tested</a></p>
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123	<p><b>DFDL tutorial</b>  13/10: Draft of first 3 chapters has been written and will be distributed to WG  10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!  17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.  24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4  01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.  08/12: Alan has almost completed lesson 4. Will send out for review.  15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.  22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review  12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.  19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.  26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.  02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.  09/02: Steve had reviewed tutorials 3,4,5 and updated versions have been distributed. Joe reviewed lesson on text elements.  Main points. Using 'represented as text' is confusing. Examples are too cluttered. Suggest simple targeted examples but still build up to final complete schema  23/02: New versions distributed and Steve has commented.</p>
124	<p><b>DFDL web content on OGF standards pages</b>  13/10: no progress  10/11: no progress  17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification  08/12: Alan to produce some information to be ready for when spec is approved. Still no</p>

	<p>word about is it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p> <p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul> <p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p> <p>26/01: Still not heard from Joel about OGF web pages.</p> <p>PDF versions of the Specification and tutorials have been uploaded to gridforge.</p> <p>02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.</p> <p>09/02: Wikipedia DFDL page is available.</p> <p>23/02: <a href="#">All sites except Defuddle have been updated.</a></p>
129	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: no progress</p> <p>26/01: no progress</p> <p>09/02: no progress</p> <p>23/02: <a href="#">no progress</a></p>
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133	<p>Make a set of default formats available (SKK)</p> <p>19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish</p>

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136	<p>Arrays with missing elements</p> <p>There is a problem when there are empty/missing array elements with an index greater than minOccurs. For example:</p> <p>xs:element name="array" minOccurs=0, maxOccurs=10 lengthKind='delimited'</p> <p>Datastream:   ,value3,value4</p> <p>Infoset will contain:</p> <p>array[1] = value3</p> <p>array[2] = value4</p> <p>This is because elements with an index greater than minOccurs are optional and so do not get defaulted.</p> <p>Unparsing this infoset will produce:</p> <p>Datastream: value3,value4</p> <p>You could make the empty space (%ES;) the nil value which will work for simple elements but not for complex.</p> <p>Infoset will contain:</p> <p>array[1] = nil</p> <p>array[2] = nil</p> <p>array[3] = value3</p> <p>array[4] = value4</p> <p>23/02: Discussed options</p> <p>1. Changed definition of required for arrays to be 'required up to the last instance in the data stream of the array'</p> <p>2. add index to the element info item</p> <p>Steve to investigate if XDM uses an index.</p>
137	<p>Map DFDL infoset to XDM</p> <p>This is an old workitem</p>

### Closed actions

No	Action

### Work items:

No	Item	target version
042	Mapping of the DFDL infoset to XDM	none




# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	16-Feb-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 17-Feb-11

Last Modified by Alan Powell on 17-Feb-11

## OGF DFDL Working Group Call , 16 February 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time ? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 16 February 2011

##### Attendees

Alan Powell (IBM)  
Steve Hanson (IBM)

##### Apologies

Suman Kalia (IBM)  
Ruth Wiegand (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Stephanie Fetzner (IBM)

As only Steve and Alan were available we discussed a new issue with missing element in arrays , See AOB

#### 1. Status of OGF DFDL V 1.

Correctly formatted version is available <http://www.ogf.org/documents/GFD.174.pdf>

#### 2. Current Actions

#### 3. AOB

There is a problem when there are empty/missing array elements with an index greater than minOccurs . For example:

xs:element name="array" minOccurs=0, maxOccurs=10 lengthKind='delimited'

Datastream: ,,value3,value4

InfoSet will contain:

array[1] = value3

array[2] = value4

This is because elements with an index greater than minOccurs are optional and so do not get defaulted.

Unparsing this infoSet will produce:

Datastream: value3,value4

You could make the empty space (%ES;) the nil value which will work for simple elements but not for complex.

InfoSet will contain:

array[1] = nil

array[2] = nil

array[3] = value3

array[4] = value4

Meeting closed, 15:30

Next call Wednesday 23 February 2011 15:00 UK (10:00 ET)

## Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below. Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab.

## Action Items and Other Meeting Documents

View: ResultDocs

Next action: 137

## Actions raised at this meeting

No	Action
136	<p>Arrays with missing elements</p> <p>There is a problem when there are empty/missing array elements with an index greater than minOccurs. For example:</p> <p>xs:element name="array" minOccurs=0, maxOccurs=10 lengthKind='delimited'</p> <p>Datastream: ,,value3,value4</p> <p>Infoset will contain:</p> <p>array[1] = value3 array[2] = value4</p> <p>This is because elements with an index greater than minOccurs are optional and so do not get defaulted.</p> <p>Unparsing this infoset will produce:</p> <p>Datastream: value3,value4</p> <p>You could make the empty space (%ES;) the nil value which will work for simple elements but not for complex.</p> <p>Infoset will contain:</p> <p>array[1] = nil array[2] = nil array[3] = value3 array[4] = value4</p>

## Current Actions :

No	Action
066	<p>Investigate format for defining test cases</p> <p>25/11:IBM to see if it is possible to publish its test case format.</p> <p>04/12: no update</p> <p>...</p> <p>17/02: IBM is willing in principle to publish the test case format and some of the test cases . May need some time to build a 'compliance suite'</p> <p>24/03: No progress</p> <p>03/03: Discussions have been taking place on the subset of tests that will be provided .</p> <p>10/03: work is progressing</p> <p>17/03: work is progressing</p> <p>31/03: work is progressing</p> <p>14/04: And XML test case format has been defined and is being tested.</p> <p>21/04. Schema for TDML defined. Need to define how this and the test cases will be made public</p> <p>05/05: Work still progressing</p> <p>12/05: Work still progressing</p> <p>02/06: Work still progressing on technical and legal considerations</p> <p>...</p> <p>25/08: Will chase to allow Daffodil access to test cases . The WG should define how implementation confirm that they 'conform to DFDL v1'</p> <p>01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it</p>

	<p>can, ahead of a full compliance suite.</p> <p>08/09: IBM still progressing</p> <p>15/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>22/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>29/09: Test cases are being prepared.</p> <p>06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.</p> <p>13/10: Still progressing</p> <p>10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil</p> <p>17/11: Work is progressing on verifying the test cases. It should be possible to distribute to the WG in 2 weeks.</p> <p>24/11: About half the test cases have been completed and are being reviewed internally.</p> <p>01/12: Test cases should be available shortly</p> <p>08/12: The test cases are in internal IBM review. Probably need a bit of reorganising before publication</p> <p>Stephanie gave a brief overview of the format of the test cases.</p> <p>15/12: Ruth joined the call to provide the latest status. The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.</p> <p>22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser</p> <p>12/01: All current tests use a default format which Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.</p> <p>19/01: There is currently no resource available in IBM to make more tests available. IBM to discuss how/if it can make a 'minimal compliance test suite' available.</p> <p>26/01: Action kicked off within IBM. There was a brief discussion about naming and organisation of test cases but no preferences were expressed</p> <p>02/02: IBM will not have the resources to develop a full test suite in the near future. Steve suggested that we produce a list of required test cases so that anyone could supply them.</p> <p>09/02: Steve had previously sent a list of areas to be tested. Please review.</p>
111	<p><b>Daffodil DFDL parser</b></p> <p>11/08: Bob and Alejandro described the new implementation that they have developed. It is a new code base and is not based on the Daffodil prototype. It is written in scala and implements approximately 80% of the features in the public comments draft of DFDL V1. Alejandro will send a list of the features not implemented.</p> <p>We discussed the scenarios that motivated the development which was to extract data from various sources and transform into canonical formats.</p> <p>Bob offered to make Daffodil available for the WG to assess the functionality. IBM WG members will get approval from the company to allow them to receive Daffodil.</p> <p>Bob raised the question that if Daffodil becomes the public implementation of DFDL then we will need to work out how that would be funded and managed.</p> <p>It would be helpful if IBM test cases were available to Daffodil. IBM will investigate</p> <p>25/08: Alejandro had sent a list of the functions that he has implemented and Steve had responding indicating the extra functions he thought were essential.</p> <p>Since then Alejandro has implemented some of the missing functions, such as escape schemes, pre-defined variables, binary decimal numbers, etc, and will update his list.</p> <p>Bob is planning to make the parser available on the internet to allow testing.</p> <p>His organisation is being reorganised and he doesn't know what the priority of Daffodil will be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.</p> <p>01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.</p> <p>Daffodil being placed under formal source control in anticipation of external release.</p> <p>Bob has a start October deadline to create a report on what has been done for his sponsors.</p> <p>It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.</p> <p>08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement.</p> <p>Bob expects Daffodil to be available on the web soon.</p>

	<p>15/09: Alejandro had indicated in the specification which functions were implemented in Daffodill. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.</p> <p>22/09: not discussed</p> <p>29/09: not discussed</p> <p>06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.</p> <p>13/10: Bob still progressing project funding and making Daffodil publically available .</p> <p>10/11: NCSA internal &amp; sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.</p> <p>17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.</p> <p>24/11: not discussed</p> <p>01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.</p> <p>08/12: Disclosure process in progressing. Bob has permission to make the web page available so hopefully that will be soon.</p> <p>The US National Archive have an article on their website about DFDL. Unfortunately it is a little out of date.</p> <p>15/12: Hope to get permission to make the source code available within days. Web demo page will be available when resources have been identified.</p> <p>22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.</p> <p>12/01: Web site has been move to a public URL <a href="http://daffodil.ncsa.uiuc.edu/">http://daffodil.ncsa.uiuc.edu/</a>. Joe thinks there are multiple problems that will show up when he can run the test cases.</p> <p>19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is. Discussed if there are ways the WG could help. Suggestions</p> <ul style="list-style-type: none"> <li>- Help review the code</li> <li>- Review the Daffodil test cases for correctness</li> <li>- Simplify the IBM test cases to be 'unit tests'</li> </ul> <p>Alan to ask for permission to review test cases and possibly simplifying the IBM test cases</p> <p>26/01: Joe has ot had any time to work on Daffodil. We briefly discuesed if it was possible to use XSLT to transform test cases so they didn't use defaulting but it didn't seem possible and effort would be better targetted at the Daffodil code.</p> <p>Alan had asked for permission to view test cases and subsequently heard that it has been given.</p> <p>02/02: Joe will send the Daffodil test cases for Alan to review.</p> <p>09/02: Alan has received the test cases and will feed back comments. Joe is looking at support for the default format</p> <p><a href="#">16/02: Alan has corrected some of the daffodil test cases and identified common problems</a></p>
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<b>123</b>	<p>DFDL tutorial</p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.</p> <p>26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.</p> <p>02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.</p> <p>09/02: Steve had reviewed tutorials 3,4,5 and updated versions have been distributed. Joe reviewed lesson on text elements.</p> <p>Main points. Using 'represented as text' is confusing. Examples are too cluttered. Suggest simple targeted examples but still build up to final complete schema</p>
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	<p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p> <p>26/01: Still not heard from Joel about OGF web pages.</p> <p>PDF versions of the Specification and tutorials have been uploaded to gridforge.</p> <p>02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.</p> <p>09/02: Wikipedia DFDL page is available.</p>
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### Closed actions

No	Action

### Work items:

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042	Mapping of the DFDL infoset to XDM	none



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IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	09-Feb-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 09-Feb-11

Last Modified by Alan Powell on 09-Feb-11

## OGF DFDL Working Group Call , 09 February 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 09 February 2011

##### Attendees

Alan Powell (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Stephanie Fetzner (IBM)  
Steve Hanson (IBM)

##### Apologies

Suman Kalia (IBM)  
Ruth Wiegand (IBM)

#### 1. Status of OGF DFDL V 1.

DFDL V1 has been published at <http://www.ogf.org/documents/GFD.174.pdf> but the formatting is not correct. I have sent a corrected version.

#### 2. Current Actions

[Updated below.](#)

#### 3. AOB

Meeting closed, 15:30  
Next call Wednesday 16 February 2011 15:00 UK (10:00 ET)

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 136

### Actions raised at this meeting

No	Action

### Current Actions :

No	Action
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	<p>10/03: work is progressing  17/03: work is progressing  31/03: work is progressing  14/04: And XML test case format has been defined and is being tested.  21/04: Schema for TDML defined. Need to define how this and the test cases will be made public  05/05: Work still progressing  12/05: Work still progressing  02/06: Work still progressing on technical and legal considerations  ...  25/08: Will chase to allow Daffodil access to test cases. The WG should define how implementation confirm that they 'conform to DFDL v1'  01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it can, ahead of a full compliance suite.  08/09: IBM still progressing  15/09: IBM still progressing, expect tests to be available within a few weeks  22/09: IBM still progressing, expect tests to be available within a few weeks  29/09: Test cases are being prepared.  06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.  13/10: Still progressing  10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil  17/11: Work is progressing on verifying the test cases. It should be possible to distribute to the WG in 2 weeks.  24/11: About half the test cases have been completed and are being reviewed internally.  01/12: Test cases should be available shortly  08/12: The test cases are in internal IBM review. Probably need a bit of reorganising before publication  Stephanie gave a brief overview of the format of the test cases.  15/12: Ruth joined the call to provide the latest status. The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.  22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser  12/01: All current tests use a default format which Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.  19/01: There is currently no resource available in IBM to make more tests available. IBM to discuss how/if it can make a 'minimal compliance test suite' available.  26/01: Action kicked off within IBM. There was a brief discussion about naming and organisation of test cases but no preferences were expressed  02/02: IBM will not have the resources to develop a full test suite in the near future. Steve suggested that we produce a list of required test cases so that anyone could supply them.  09/02: <a href="#">Steve had previously sent a list of areas to be tested. Please review.</a></p>
111	<p><b>Daffodil DFDL parser</b>  11/08: Bob and Alejandro described the new implementation that they have developed. It is a new code base and is not based on the Daffodil prototype. It is written in scala and implements approximately 80% of the features in the public comments draft of DFDL V1. Alejandro will send a list of the features not implemented.  We discussed the scenarios that motivated the development which was to extract data from various sources and transform into canonical formats.  Bob offered to make Daffodil available for the WG to assess the functionality. IBM WG members will get approval from the company to allow them to receive Daffodil.  Bob raised the question that if Daffodil becomes the public implementation of DFDL then we will need to work out how that would be funded and managed.  It would be helpful if IBM test cases were available to Daffodil. IBM will investigate  25/08: Alejandro had sent a list of the functions that he has implemented and Steve had responded indicating the extra functions he thought were essential.  Since then Alejandro has implemented some of the missing functions, such as escape</p>

	<p>schemes, pre-defined variables, binary decimal numbers, etc, and will update his list. Bob is planning to make the parser available on the internet to allow testing. His organisation is being reorganised and he doesn't know what the priority of Daffodil will be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.</p> <p>01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.</p> <p>Daffodil being placed under formal source control in anticipation of external release .</p> <p>Bob has a start October deadline to create a report on what has been done for his sponsors. It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.</p> <p>08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement. Bob expects Daffodil to be available on the web soon.</p> <p>15/09: Alejandro had indicated in the specification which functions were implemented in Daffodil. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.</p> <p>22/09: not discussed</p> <p>29/09: not discussed</p> <p>06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.</p> <p>13/10: Bob still progressing project funding and making Daffodil publically available .</p> <p>10/11: NCSA internal &amp; sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.</p> <p>17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.</p> <p>24/11: not discussed</p> <p>01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.</p> <p>08/12: Disclosure process in progressing . Bob has permission to make the web page available so hopefully that will be soon .</p> <p>The US National Archive have an article on their website about DFDL . Unfortunately it is a little out of date.</p> <p>15/12: Hope to get permission to make the source code available within days . Web demo page will be available when resources have been identified .</p> <p>22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.</p> <p>12/01: Web site has been move to a public URL <a href="http://daffodil.ncsa.uiuc.edu/">http://daffodil.ncsa.uiuc.edu/</a>. Joe thinks there are multiple problems that will show up when he can run the test cases.</p> <p>19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is . Discussed if there are ways the WG could help. Suggestions</p> <ul style="list-style-type: none"> <li>- Help review the code</li> <li>- Review the Daffodil test cases for correctness</li> <li>- Simplify the IBM test cases to be 'unit tests'</li> </ul> <p>Alan to ask for permission to review test cases and possibly simplifying the IBM test cases</p> <p>26/01: Joe has ot had any time to work on Daffodil. We briefly discussed if it was possible to use XSLT to transform test cases so they didn't use defaulting but it didn't seem possible and effort would be better targetted at the Daffodil code.</p> <p>Alan had asked for permission to view test cases and subsequently heard that it has been given.</p> <p>02/02: Joe will send the Daffodil test cases for Alan to review .</p> <p>09/02: <a href="#">Alan has received the test cases and will feed back comments. Joe is looking at support for the default format</a></p>
112	<p><b>DFDL certification process</b></p> <p>25/08: Discussed how to certify DFDL implementations . Alan to investigate if OGF have a defined process.</p>

	<p>01/09: In progress, spec needs to state what conformance means, as part of this work</p> <p>08/09: Discussed what needs to be said in the spec and agreed that details of a conformance test suite should be in another document.</p> <p>Alan to draft conformance section.</p> <p>15/09: Alan had look at the conformance sections in XML and Schema specifications both of which indicate sections which must be implemented. None just say 'execute the test suite'. They talk in terms of conformance of document, schema and processors..</p> <p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p> <p>26/01: Waiting for test suite.</p> <p>02/02: We need to document the intention of providing a test suite as the compliance process.</p> <p>09/02: Alan will create a 'DFDL conformance' document that will state that a test suite will be is being developed.</p>
123	<p>DFDL tutorial</p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.</p> <p>26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.</p> <p>02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.</p> <p>09/02: Steve had reviewed tutorials 3,4,5 and updated versions have been distributed. Joe reviewed lesson on text elements.</p> <p>Main points. Using 'represented as text' is confusing. Examples are too cluttered. Suggest simple targeted examples but still build up to final complete schema</p>
124	<p>DFDL web content on OGF standards pages</p> <p>13/10: no progress</p> <p>10/11: no progress</p> <p>17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no</p>

	<p>word about is it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p> <p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul> <p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p> <p>26/01: Still not heard from Joel about OGF web pages.</p> <p>PDF versions of the Specification and tutorials have been uploaded to gridforge.</p> <p>02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.</p> <p>09/02: <a href="#">Wikipedia DFDL page is available.</a></p>
129	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: no progress</p> <p>26/01: no progress</p> <p>09/02: <a href="#">no progress</a></p>
131	<p>Transformation of dfdl properties to a canonical form</p> <p>08/12: Joe has produced a XSLT to transform a DFDL schema to a canonical element form. When tested it should be made available on the WG gridforge site.</p> <p>15/12: Alan tested against test dfdl schema which worked correctly (after fixing some errors in the schema)</p> <p>22/12: no update</p> <p>12/01: Joe has some defects to fix before making available on gridforge.</p> <p>19/01: There is a difficult problem to solve before Joe make the style sheet public</p> <p>26/01: Working on problems</p> <p>02/02: no progress</p> <p>09/02: <a href="#">As it wasn't a simple as exoected this will be treated as a low priority action</a></p>
132	<p><b>Publishing DFDL xsd</b></p> <p>08/12: Agreed that it should be made available. Suman has started the approval process in IBM</p> <p>15/12: no progress</p> <p>22/12: no update</p> <p>12/01: Suman is getting approval from IBM to publish.</p> <p>19/01: Waiting to get IBM approval to publish</p> <p>26/01: no update</p> <p>02/02: No update</p> <p>09/02: <a href="#">no update</a></p>
133	<p>Make a set of default formats available (SKK)</p> <p>19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish</p> <p>26/01: Stephanie sent the defaults used by test cases to Suman</p> <p>02/02: no update</p> <p>09/02: <a href="#">no update</a></p>

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### Closed actions

No	Action

### Work items :

No	Item	target version
042	Mapping of the DFDL infoset to XDM	none

# TeamRoom Plus

IBM TeamRoom

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	02-Feb-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 02-Feb-11

Last Modified by Alan Powell on 02-Feb-11

## OGF DFDL Working Group Call , 02 February 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time ? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 02 February 2011

##### Attendees

Alan Powell (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Stephanie Fetzner (IBM)  
Steve Hanson (IBM)

##### Apologies

Suman Kalia (IBM)  
Ruth Wiegand (IBM)

##### 1. Current Actions

[Updated below.](#)

##### 2. Status of OGF DFDL V 1.

[The spec was updated with author information, changes to fractional second support and the addition of the P symbol to the numberPattern.](#)

##### 3. AOB

[Steve to contact Alan Sill to ensure that DFDL is mentioned in plenary sessions.](#)

Meeting closed, 15:30



Next call Wednesday 09 February 2011 15:00 UK (10:00 ET)

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	<p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p> <p>26/01: Waiting for test suite.</p> <p><a href="#">02/02: We need to document the intention of providing a test suite as the compliance process.</a></p>
<b>123</b>	<p>DFDL tutorial</p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have been updated. Please review. The tutorial for text elements should be available soon.</p> <p>26/01: No comments received about 3 tutorials distributed last week. Alan is still working on Text representation.</p> <p><a href="#">02/02: Steve has sent comments on three tutorials. Alan to send updated versions by the end of the week. Alan has also distributed the first part of the tutorial on text representation and would like feedback.</a></p>
<b>124</b>	<p>DFDL web content on OGF standards pages</p> <p>13/10: no progress</p> <p>10/11: no progress</p> <p>17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no word about it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p> <p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul> <p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html</p>

	<p>format.</p> <p>26/01: Still not heard from Joel about OGF web pages.</p> <p>PDF versions of the Specification and tutorials have been uploaded to gridforge.</p> <p><a href="#">02/02: A DFDL web page is available at <a href="http://www.ogf.org/dfdl">www.ogf.org/dfdl</a>. We need to update the IBM virtual XML and MCSA Defuddle pages. Will ask Mike Beckerle to update his DFDL page.</a></p>
<b>129</b>	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: no progress</p> <p>26/01: no progress</p>
<b>131</b>	<p>Transformation of dfdl properties to a canonical form</p> <p>08/12: Joe has produced a XSLT to transform a DFDL schema to a canonical element form. When tested it should be made available on the WG gidforge site.</p> <p>15/12: Alan tested against test dfdl schema which worked correctly (after fixing some errors in the schema)</p> <p>22/12: no update</p> <p>12/01: Joe has some defects to fix before making available on gridforge.</p> <p>19/01: There is a difficult problem to solve before Joe make the style sheet public</p> <p>26/01: Working on problems</p> <p><a href="#">02/02: no progress</a></p>
<b>132</b>	<p><b>Publishing DFDL xsd</b></p> <p>08/12: Agreed that it should be made available. Suman has started the approval process in IBM</p> <p>15/12: no progress</p> <p>22/12: no update</p> <p>12/01: Suman is getting approval from IBM to publish.</p> <p>19/01: Waiting to get IBM approval to publish</p> <p>26/01: no update</p> <p><a href="#">02/02: No update</a></p>
<b>133</b>	<p>Make a set of default formats available (SKK)</p> <p>19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish</p> <p>26/01: Stephanie sent the defaults used by test cases to Suman</p> <p><a href="#">02/02: no update</a></p>

## Closed actions

No	Action
<b>134</b>	<p>VDP outside the number of digits</p> <p>19/01: It is not possible to specify a virtual decimal point outside the number of digits in a pattern. Possible solution</p> <ul style="list-style-type: none"> <li>- Allow binaryVirtualDecimalPoint to apply to text as well (and rename)</li> <li>- Allow the use of multiple V in the pattern</li> <li>- Introduce another pattern character</li> </ul> <p>Will need an errata to the spec</p> <p>26/01: Alan has distributed a proposal to extend the numberPattern. Comments by next week please.</p> <p><a href="#">02/02: Spec was updated with the proposal to add P to number pattern. Closed</a></p>
<b>135</b>	<p><b>Support for more than millisecond fractional seconds</b></p> <p>The calendarPattern currently limits the number of S (fractional seconds) characters to 3 but customers require more accuracy. It is proposed to remove the restriction of 3 S characters</p>

	but allow implementation to round to an implementation defined precision internally . At least milliseconds must be supported 02/02: Spec was updated to allow an unlimited number of "S" characters in the pattern but implementations are permitted to restrict the precision used internally but it must be at lease millisecond. Closed

#### Work items:

No	Item	target version
042	Mapping of the DFDL infoset to XDM	none

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	26-Jan-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 26-Jan-11

Last Modified by Alan Powell on 26-Jan-11

## OGF DFDL Working Group Call , 26 January 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time ? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 26 January 2011

##### Attendees

Alan Powell (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Ruth Wiegand (IBM)  
Stephanie Fetzer (IBM)

##### Apologies

Suman Kalia (IBM)  
Steve Hanson (IBM)

#### 1. Current Actions

Updated below.

#### 2. Status of OGF DFDL V 1.

OGF need author/editor names on the front page. Propose to add Alan, Steve and Mike Beckerle. Update will be sent.

#### 3. Support for more than millisecond fractional seconds .

The calendarPattern currently limits the number of S (fractional seconds) characters to 3 but customers require more accuracy. It is proposed to remove the restriction of 3 S characters but allow implementation to round to an implementation defined precision internally . At least milliseconds must be supported .

#### 4. AOB

Meeting closed, 15:45

Next call Wednesday 02 February 2011 15:00 UK (10:00 ET)

#### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

#### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 136

#### Actions raised at this meeting

No	Action
135	<b>Support for more than millisecond fractional seconds</b> . The calendarPattern currently limits the number of S (fractional seconds) characters to 3 but customers require more accuracy . It is proposed to remove the restriction of 3 S characters but allow implementation to round to an implementation defined precision internally . At least milliseconds must be supported.

#### Current Actions :

No	Action
066	Investigate format for defining test cases 25/11:IBM to see if it is possible to publish its test case format. 04/12: no update



	<p>...</p> <p>17/02: IBM is willing in principle to publish the test case format and some of the test cases . May need some time to build a 'compliance suite'</p> <p>24/03: No progress</p> <p>03/03: Discussions have been taking place on the subset of tests that will be provided .</p> <p>10/03: work is progressing</p> <p>17/03: work is progressing</p> <p>31/03: work is progressing</p> <p>14/04: And XML test case format has been defined and is being tested.</p> <p>21/04: Schema for TDML defined. Need to define how this and the test cases will be made public</p> <p>05/05: Work still progressing</p> <p>12/05: Work still progressing</p> <p>02/06: Work still progressing on technical and legal considerations</p> <p>...</p> <p>25/08: Will chase to allow Daffodil access to test cases . The WG should define how implementation confirm that they 'conform to DFDL v1'</p> <p>01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it can, ahead of a full compliance suite.</p> <p>08/09: IBM still progressing</p> <p>15/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>22/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>29/09: Test cases are being prepared.</p> <p>06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.</p> <p>13/10: Still progressing</p> <p>10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil</p> <p>17/11: Work is progressing on verifying the test cases . It should be possible to distribute to the WG in 2 weeks.</p> <p>24/11: About half the test cases have been completed and are being reviewed internally .</p> <p>01/12: Test cases should be available shortly</p> <p>08/12: The test cases are in internal IBM review . Probably need a bit of reorganising before publication</p> <p>Stephanie gave a brief overview of the format of the test cases.</p> <p>15/12: Ruth joined the call to provide the latest status . The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.</p> <p>22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser</p> <p>12/01: All current tests use a default format whih Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.</p> <p>19/01: There is currently no resource available in IBM to make more tests available . IBM to discuss how/if it can make a 'minimal compliance test suite' available.</p> <p>26/01: <a href="#">Action kicked off within IBM. There was a brief discussion abot naming and organisation of test cases but no preferences were expressed</a></p>
111	<p><b>Daffodil DFDL parser</b></p> <p>11/08: Bob and Alejandro described the new implementation that they have developed. It is a new code base and is not based on the Deffudle prototype. It is written in scala and implements approximately 80% of the features in the public comments draft of DFDL V1. Alejandro will send a list of the features not implemented.</p> <p>We discussed the scenarios that motivated the development which was to extract data from various sources and transform into canonical formats.</p> <p>Bob offered to make Daffodil available for the WG to assess the functionality . IBM WG members will get approval the company to allow them to receive Daffodil.</p> <p>Bob raised the question that if Daffodil becomes the public implementation of DFDL then we will need to work out how that would be funded and managed.</p> <p>It would be helpful if IBM test cases were available to Daffodil . IBM will investigate</p> <p>25/08: Alejandro had sent a list of the functions that he has implemented and Steve and</p>

	<p>responding indicating the extra functions he thought were essential.</p> <p>Since then Alejandro has implemented some of the missing functions, such as escape schemes, pre-defined variables, binary decimal numbers, etc, and will update his list.</p> <p>Bob is planning to make the parser available on the internet to allow testing.</p> <p>His organisation is being reorganised and he doesn't know what the priority of Daffodil will be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.</p> <p>01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.</p> <p>Daffodil being placed under formal source control in anticipation of external release.</p> <p>Bob has a start October deadline to create a report on what has been done for his sponsors. It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.</p> <p>08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement.</p> <p>Bob expects Daffodil to be available on the web soon.</p> <p>15/09: Alejandro had indicated in the specification which functions were implemented in Daffodil. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.</p> <p>22/09: not discussed</p> <p>29/09: not discussed</p> <p>06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.</p> <p>13/10: Bob still progressing project funding and making Daffodil publically available.</p> <p>10/11: NCSA internal &amp; sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.</p> <p>17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.</p> <p>24/11: not discussed</p> <p>01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.</p> <p>08/12: Disclosure process in progressing. Bob has permission to make the web page available so hopefully that will be soon.</p> <p>The US National Archive have an article on their website about DFDL. Unfortunately it is a little out of date.</p> <p>15/12: Hope to get permission to make the source code available within days. Web demo page will be available when resources have been identified.</p> <p>22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.</p> <p>12/01: Web site has been move to a public URL <a href="http://daffodil.ncsa.uiuc.edu/">http://daffodil.ncsa.uiuc.edu/</a>. Joe thinks there are multiple problems that will show up when he can run the test cases.</p> <p>19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is. Discussed if there are ways the WG could help. Suggestions</p> <ul style="list-style-type: none"> <li>- Help review the code</li> <li>- Review the Daffodil test cases for correctness</li> <li>- Simplify the IBM test cases to be 'unit tests'</li> </ul> <p>Alan to ask for permission to review test cases and possibly simplifying the IBM test cases</p> <p>26/01: Joe has not had any time to work on Daffodil. We briefly discussed if it was possible to use XSLT to transform test cases so they didn't use defaulting but it didn't seem possible and effort would be better targetted at the Daffodil code.</p> <p>Alan had asked for permission to view test cases and subsequently heard that it has been given.</p>
112	<p><b>DFDL certification process</b></p> <p>25/08: Discussed how to certify DFDL implementations. Alan to investigate if OGF have a defined process.</p> <p>01/09: In progress, spec needs to state what conformance means, as part of this work</p>

	<p>08/09: Discussed what needs to be said in the spec and agreed that details of a conformance test suite should be in another document.  Alan to draft conformance section.</p> <p>15/09: Alan had look at the conformance sections in XML and Schema specifications both of which indicate sections which must be implemented. None just say 'execute the test suite'. They talk in terms of conformance of document, schema and processors..</p> <p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p> <p><a href="#">26/01: Waiting for test suite.</a></p>
<b>123</b>	<p>DFDL tutorial</p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have be updated. Please review. The tutorial for text elements should be available soon.</p> <p><a href="#">26/01: No comments received about 3 tuorials distributed last week. Alan is still working on Text representation.</a></p>
<b>124</b>	<p>DFDL web content on OGF standards pages</p> <p>13/10: no progress</p> <p>10/11: no progress</p> <p>17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no word about is it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p> <p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul>

	<p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p> <p><a href="#">26/01: Still not heard from Joel about OGF web pages.</a></p> <p><a href="#">PDF versions of the Specification and tutorials have been uploaded to gridforge.</a></p>
129	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: no progress</p> <p><a href="#">26/01: no progress</a></p>
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135	<p><b>Support for more than millisecond fractional seconds</b></p> <p><a href="#">The calendarPattern currently limits the number of S (fractional seconds) characters to 3 but customers require more accuracy. It is proposed to remove the restriction of 3 S characters but allow implementation to round to an implementation defined precision internally. At least milliseconds must be supported.</a></p>

#### Closed actions

No	Action


**Work items:**

No	Item	target version
042	Mapping of the DFDL info set to XDM	none
070	Write DFDL primer	
071	Write test cases.	

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	19-Jan-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 20-Jan-11

Last Modified by Alan Powell on 20-Jan-11

## OGF DFDL Working Group Call , 19 January 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 19 January 2011

##### Attendees

Steve Hanson (IBM)  
Alan Powell (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Ruth Wiegand (IBM)

##### Apologies

Stephanie Fetzner (IBM)  
Suman Kalia (IBM)

#### 1. Current Actions

[Updated below.](#)

#### 2. Status of OGF DFDL V 1.

Updated spec was sent to OGF but still not published . There are 2 other documents 'ready to publish'  
[OGF tracker now indicates that it will be published soon . I have also requested that the Data Area chairs ensure DFDL is publicised at OGF31.](#)

#### 3. AOB

1) Missing capability in text number patterns to handle VDP positions that are longer than the length of the data .

19/01: It is not possible to specify a virtual decimal point outside the number of digits in a pattern . Possible solution

- Allow binaryVirtualDecimalPoint to apply to text as well (and rename)
- Allow the use of multiple V in the pattern
- Introduce another pattern character

Will need an errata to the spec. Action raised

2) We need to make the spec and tutorials more accessible on the web, so that links take you straight into the doc (eg, use pdfs)

19/01: see action 124

Meeting closed, 15:55

Next call Wednesday 19 January 2011 15:00 UK (10:00 ET)

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 135

### Actions raised at this meeting

No	Action
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- Allow the use of multiple V in the pattern
- Introduce another pattern character

Will need an errata to the spec

## Current Actions :

No	Action
066	<p>Investigate format for defining test cases</p> <p>25/11: IBM to see if it is possible to publish its test case format.</p> <p>04/12: no update</p> <p>...</p> <p>17/02: IBM is willing in principle to publish the test case format and some of the test cases. May need some time to build a 'compliance suite'</p> <p>24/03: No progress</p> <p>03/03: Discussions have been taking place on the subset of tests that will be provided.</p> <p>10/03: work is progressing</p> <p>17/03: work is progressing</p> <p>31/03: work is progressing</p> <p>14/04: And XML test case format has been defined and is being tested.</p> <p>21/04: Schema for TDML defined. Need to define how this and the test cases will be made public</p> <p>05/05: Work still progressing</p> <p>12/05: Work still progressing</p> <p>02/06: Work still progressing on technical and legal considerations</p> <p>...</p> <p>25/08: Will chase to allow Daffodil access to test cases. The WG should define how implementation confirm that they 'conform to DFDL v1'</p> <p>01/09: IBM still progressing the legal aspect. Intends to publish 100 or so tests as soon as it can, ahead of a full compliance suite.</p> <p>08/09: IBM still progressing</p> <p>15/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>22/09: IBM still progressing, expect tests to be available within a few weeks</p> <p>29/09: Test cases are being prepared.</p> <p>06/10: Some test cases should be available next week. Steve would like to be able to show the test case information at OGF 30.</p> <p>13/10: Still progressing</p> <p>10/11: Legal issues cleared, IBM in process of collecting 100 example test cases, ideally ones that fit the 'extended conformance' of NCSA Daffodil</p> <p>17/11: Work is progressing on verifying the test cases. It should be possible to distribute to the WG in 2 weeks.</p> <p>24/11: About half the test cases have been completed and are being reviewed internally.</p> <p>01/12: Test cases should be available shortly</p> <p>08/12: The test cases are in internal IBM review. Probably need a bit of reorganising before publication</p> <p>Stephanie gave a brief overview of the format of the test cases.</p> <p>15/12: Ruth joined the call to provide the latest status. The test cases have been updated and a draft read.me produced. Although not ready for public distribution Ruth will send them to Joe for feedback.</p> <p>22/12: Test cases were sent to Joe for initial testing which found some problems in the Daffodil parser</p> <p>12/01: All current tests use a default format which Daffodil doesn't currently support. Joe suggested that there should be test that defined the same function using different definition forms. Also suggested that default formats should be provided by the WG. This had always been the intention. Action 133 raised to track.</p> <p>19/01: <a href="#">There is currently no resource available in IBM to make more tests available. IBM to discuss how/if it can make a 'minimal compliance test suite' available.</a></p>
111	Daffodil DFDL parser



11/08: Bob and Alejandro described the new implementation that they have developed. It is a new code base and is not based on the Deffudle prototype. It is written in scala and implements approximately 80% of the features in the public comments draft of DFDL V1. Alejandro will send a list of the features not implemented.

We discussed the scenarios that motivated the development which was to extract data from various sources and transform into canonical formats.

Bob offered to make Daffodil available for the WG to assess the functionality. IBM WG members will get approval the company to allow them to receive Daffodil.

Bob raised the question that if Daffodil becomes the public implementation of DFDL then we will need to work out how that would be funded and managed.

It would be helpful if IBM test cases were available to Daffodil. IBM will investigate

25/08: Alejandro had sent a list of the functions that he has implemented and Steve and responding indicating the extra functions he thought were essential.

Since then Alejandro has implemented some of the missing functions, such as escape schemes, pre-defined variables, binary decimal numbers, etc, and will update his list.

Bob is planning to make the parser available on the internet to allow testing.

His organisation is being reorganised and he doesn't know what the priority of Daffodil will be so it is essential that we move quickly. It would help if IBM could indicate its support for Daffodil in some semi-formal way.

01/09: Alejandro updating Daffodil to include escape schemes, unordered sequences and ignoreCase.

Daffodil being placed under formal source control in anticipation of external release.

Bob has a start October deadline to create a report on what has been done for his sponsors.

It would be great if we could get Daffodil on the web and have run some IBM tests so it could be highlighted at OGF 30 at end October.

08/09: Alejandro is marking up Spec draft 42 to indicate which features Daffodil implement.

Bob expects Daffodil to be available on the web soon.

15/09: Alejandro had indicated in the specification which functions were implemented in Daffodil. Steve had reviewed and identified which function need to be implemented and which could be considered optional (see action 099). Alejandro is implementing the missing core functions. There was some discussion about the limitations on unordered groups. (stop value and expression not supported). It was agreed that it should be a schema definition error if dfdl:occursCountKind is 'stopValue' on any element within an unordered sequence and a floating element.

22/09: not discussed

29/09: not discussed

06/10: Alejandro has left NCSA. Bob is making the case for continuing and having a replacement. Bob to agree with Steve what can be said at OGF30.

13/10: Bob still progressing project funding and making Daffodil publically available.

10/11: NCSA internal & sponsor (US National Archive in Washington DC - Electronic Records Administration) reviews passed. NCSA have new resource allocated - Joe Futrelle. Bob has started open source paperwork. ETA end December.

17/11: Joe has started coming up to speed with Daffodil. Bob is waiting for signoff from the university to open source the code.

24/11: not discussed

01/12: Joe is becoming familiar with the code. Waiting for university to give permission to make available.

08/12: Disclosure process in progressing. Bob has permission to make the web page available so hopefully that will be soon.

The US National Archive have an article on their website about DFDL. Unfortunately it is a little out of date.

15/12: Hope to get permission to make the source code available within days. Web demo page will be available when resources have been identified.

22/12: An internal demonstration web page has been made available. Initial testing highlight some problems. Joe investigating.

12/01: Web site has been move to a public URL <http://daffodil.ncsa.uiuc.edu/>. Joe thinks there are multiple problems that will show up when he can run the test cases.

19/01: Joe has had little time to work on Daffodil. Without significant research into the code it is difficult to know how compliant daffodil is. Discussed if there are ways the WG could help. Suggestions

- Help review the code

	<ul style="list-style-type: none"> <li>- Review the Daffodil test cases for correctness</li> <li>- Simplify the IBM test cases to be 'unit tests'</li> </ul> <p>Alan to ask for permission to review test cases and possibly simplifying the IBM test cases</p>
112	<p><b>DFDL certification process</b></p> <p>25/08: Discussed how to certify DFDL implementations. Alan to investigate if OGF have a defined process.</p> <p>01/09: In progress, spec needs to state what conformance means, as part of this work</p> <p>08/09: Discussed what needs to be said in the spec and agreed that details of a conformance test suite should be in another document.</p> <p>Alan to draft conformance section.</p> <p>15/09: Alan had look at the conformance sections in XML and Schema specifications both of which indicate sections which must be implemented. None just say 'execute the test suite'. They talk in terms of conformance of document, schema and processors..</p> <p>22/09: no progress</p> <p>22/09: Alan has added short Conformance and Optional Features sections to spec which was briefly discussed. Discussed naming for processors that don't implement optional features and those that implement all features.</p> <p>06/10: Need to decide what/how test cases and certification process should occur</p> <p>13/10: no progress</p> <p>...</p> <p>08/12: no progress</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: Agreed that a minimum compliance test suite needs to be provided. This could be a test suite and/or a web service that tested DFDL implementations</p>
123	<p><b>DFDL tutorial</b></p> <p>13/10: Draft of first 3 chapters has been written and will be distributed to WG</p> <p>10/11: Posted to grid forge here (<a href="http://forge.gridforum.org/sf/go/doc16106?nav=1">http://forge.gridforum.org/sf/go/doc16106?nav=1</a>), work continuing at IBM to define a standard example-based chapter framework and to author additional chapters. Contributors welcome!</p> <p>17/11: Steve, Stephanie and Alan had a meeting to discuss the best structure for the tutorial and decide which examples to use throughout. The meeting raised more questions. Further discussions will be held.</p> <p>24/11: The list of topics to be covered in the remaining lessons has been produced and a lesson template. Alan will write lesson 4</p> <p>01/12: Alan has started lesson 4 which covers fixed and variable fields and arrays.</p> <p>08/12: Alan has almost completed lesson 4. Will send out for review.</p> <p>15/12: First draft of lesson 4 is available for review. Alan to send to Bob and Joe.</p> <p>22/12: Alan has distributed drafts for tutorials on Basic Structure and Optional/Repeating elements. Please review</p> <p>12/01: Alan distributed a tutorial for choices and updated the others. Alan and Steve reviewed them and updated versions will be sent soon. Should start on the 'representation' tutorials soon.</p> <p>19/01: The tutorials for basic structure, optional/arrays and choices have been updated. Please review. The tutorial for text elements should be available soon.</p>
124	<p><b>DFDL web content on OGF standards pages</b></p> <p>13/10: no progress</p> <p>10/11: no progress</p> <p>17/11: Alan has looked at the OGF web pages and there aren't many standards listed. Some of the links point to very short primers rather than the specification</p> <p>08/12: Alan to produce some information to be ready for when spec is approved. Still no word about is it was discussed/approved at OGF meeting</p> <p>15/12: no progress</p> <p>22/12: Steve has developed a summary web page for DFDL which will be sent to OGF when spec is approved.</p> <p>12/01: Not heard from Joel about updated OGF pages Alan to chase.</p> <p>Will also track other site updates: Wikipedia, IBM developerworks etc.</p> <p>19/01: Still no response from Joel.</p>

	<p>Other web site that need updating</p> <ul style="list-style-type: none"> <li>- IBM virtual XML</li> <li>- Defuddle</li> <li>- Wikipedia</li> <li>- Need google trawl for others</li> </ul> <p>Also need to make spec and tutorials more accessible on the web, eg in pdf and/or html format.</p>
129	<p>Press release to publicise DFDL</p> <p>Steve is pulling together a press release at IBM. Want to include as many contributors and interested parties as possible. NCSA are keen to be included. Also likely that US National Archive will want to be included. Mike has indicated OCO are too.</p> <p>17/11: no progress</p> <p>08/12: Still no response from IBM press office</p> <p>15/12: no progress</p> <p>22/12: no progress</p> <p>12/01: no progress</p> <p>19/01: no progress</p>
131	<p>Transformation of dfdl properties to a canonical form</p> <p>08/12: Joe has produced a XSLT to transform a DFDL schema to a canonical element form. When tested it should be made available on the WG gidforge site.</p> <p>15/12: Alan tested against test dfdl schema which worked correctly (after fixing some errors in the schema)</p> <p>22/12: no update</p> <p>12/01: Joe has some defects to fix before making available on gridforge.</p> <p>19/01: There is a difficult problem to solve before Joe make the style sheet public</p>
132	<p><b>Publishing DFDL xsd</b></p> <p>08/12: Agreed that it should be made available. Suman has started the approval process in IBM</p> <p>15/12: no progress</p> <p>22/12: no update</p> <p>12/01: Suman is getting approval from IBM to publish.</p> <p>19/01: Waiting to get IBM approval to publish</p>
133	<p>Make a set of default formats available (SKK)</p> <p>19/01: Suman expects some default formats to be ready by Feb 9th. Will need approval to publish</p>
134	<p>VDP outside the number of digits</p> <p>19/01: It is not possible to specify a virtual decimal point outside the number of digits in a pattern. Possible solution</p> <ul style="list-style-type: none"> <li>- Allow binaryVirtualDecimalPoint to apply to text as well (and rename)</li> <li>- Allow the use of multiple V in the pattern</li> <li>- Introduce another pattern character</li> </ul> <p>Will need an errata to the spec</p>

### Closed actions

No	Action

### Work items:

No	Item	target version
0	Mapping of the DFDL infoset to XDM	none

4		
2		
0	Write DFDL primer	
7		
0		
0	Write test cases.	
7		
1		

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	12-Jan-11 (Wed)
Meeting Time	15:00 - 16:00

Created by Alan Powell on 13-Jan-11

Last Modified by Alan Powell on 13-Jan-11

## OGF DFDL Working Group Call , 12 January 2011

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations . What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### OGF DFDL Working Group Call , 12 January 2011

##### Attendees

Steve Hanson (IBM)  
Alan Powell (IBM)  
Suman Kalia (IBM)  
Bob McGrath (NCSA)  
Joe Futrelle (NCSA)  
Stephanie Fetzer (IBM)

##### Apologies

##### 1. Current Actions

[Updated below.](#)

##### 2. Status of OGF DFDL V 1.

email from Greg Newby:

"On this morning's telecon, we gave the final go-ahead and it will be published as GFD-R-P.174. Thanks for your efforts on it! Joel should get it uploaded later this week..."  
[Version updated for item 3 below uploaded to gridforge. Should be published any day.](#)

##### 3. Remove restriction on `dfdl:emptyValueDelimiterPolicy`

The following should be removed from the spec as it is too tight. It is safe to do because if the length is

genuinely fixed, the value will never be empty anyway. If the length is set to "0" then the parser won't look for any content. On unparsing, dfdl:emptyValueDelimiterPolicy will be observed.

It is a schema definition error if emptyValueDelimiterPolicy is 'initiator' or 'both' and dfdl:lengthKind is 'implicit' for simple element or dfdl:lengthKind is 'explicit'.

Agreed to remove above sentence from spec. Added to published version.

#### 4. AOB

- OGF 31 in Taipei, Taiwan from March 21-25, 2011

No-one from the WG is able to go. Alan will contact David Martin to see if DFDL can have some visibility .

- Steve suggested that DFDL should be added to other websites such as Wikipedia and other external sites such as IBM Virtual XML should be updated. Will be added to Action 124 OGF website.

Meeting closed, 15:55

Next call Wednesday 19 January 2011 15:00 UK (10:00 ET)

#### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

#### Action Items and Other Meeting Documents

View: ResultDocs

Next action: 134

#### Actions raised at this meeting

No	Action
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**Current Actions :**

No	Action
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132	<p><b>Publishing DFDL xsd</b></p> <p>08/12: Agreed that it should be made available. Suman has started the approval process in IBM</p>

	15/12: no progress 22/12: no update <a href="#">12/01: Suman is getting approval from IBM to publish.</a>
133	Make a set of default formats available (SKK)

### Closed actions

No	Action

### Work items:

No	Item	target version
042	Mapping of the DFDL infoset to XDM	none
070	Write DFDL primer	
071	Write test cases.	