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Subscribing To Products In OpenWIS

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Subscribing To Products In OpenWIS

- **Accessing OpenWIS**
 - Creating Accounts and Logging In
- **Searching The Catalogue**
- **Creating A Subscriptions**
- **My Account**
 - Managing Subscription
 - Updating Personal Information
 - Changing Your Password



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SEARCHING THE CATALOGUE



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Accessing OpenWIS

- Public website of **GISC Melbourne**:

<http://wis.bom.gov.au/>

- All major desktop browsers supported.
 - Standard compliant HTML + JavaScript + CSS.
 - No HTTPS (yet).
- Internet only: no RMDCM



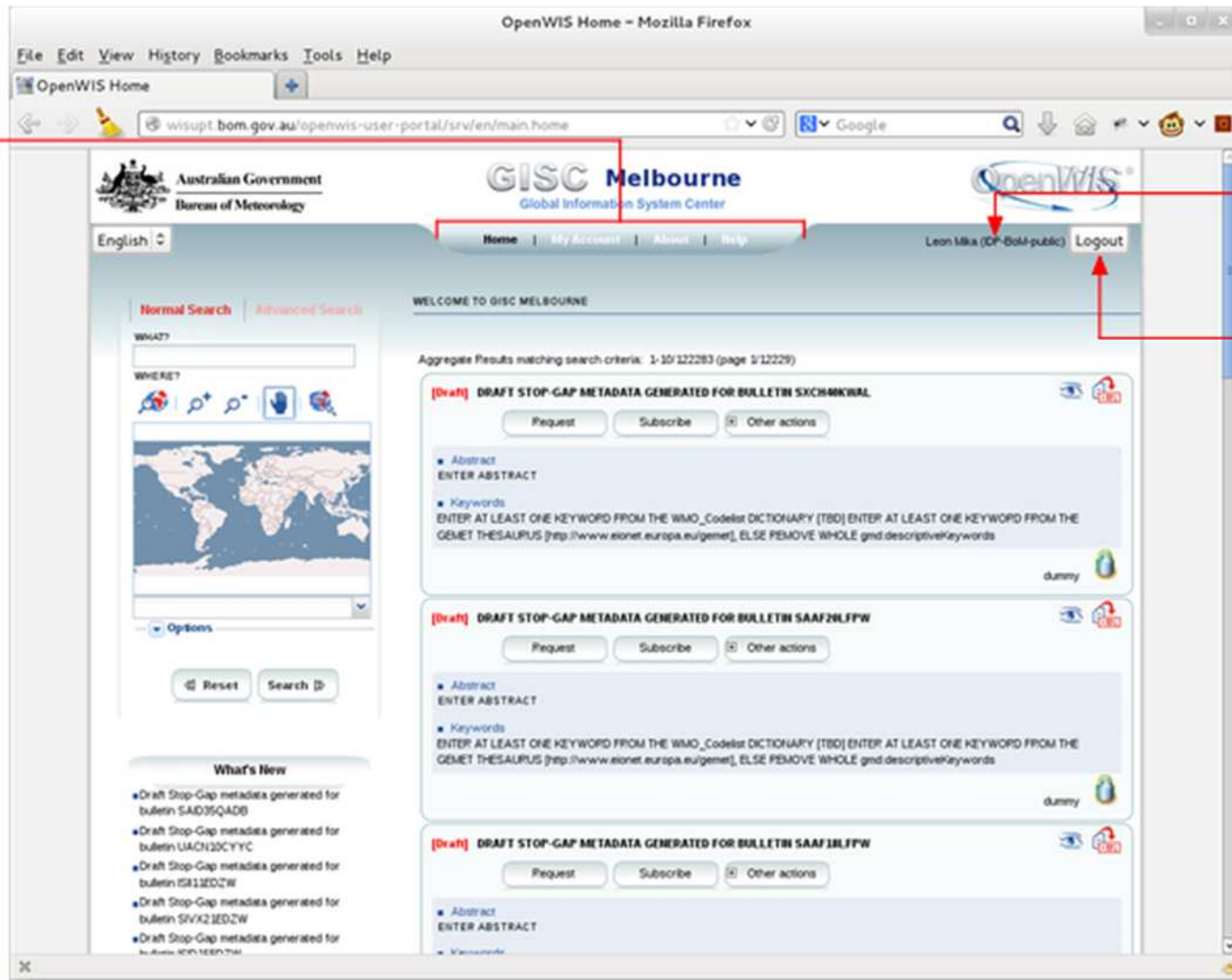
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OpenWIS Access Control

- Anonymous access to the catalogue search.
- An account is required to access products or to create/upload metadata.
- Accounts are created after filling out an **Account Request** form.
- Lost accounts can be recovered by filling out the **Account Recovery** form.

OpenWIS Home Page

Sections



Username

Logout Button



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Sections

- **Home:** Access to the metadata catalogue search facilities. Also access point for retrieving and subscribing to products.
- **My Account:** Location of metadata authoring tools, request/subscription management tools, and user account details.
- **About:** Page describing a bit of history of OpenWIS and the WIS project. Also, displays the current OpenWIS version.
- **Help:** Reference guide for common operations in the OpenWIS portal.

OpenWIS Search Page

Search
Criteria

The screenshot shows the OpenWIS search interface. On the left, the search criteria section includes a search type selector (Normal Search), a search box containing 'Synoptics', a location selector (WHERE?) with a world map, and search buttons (Reset, Search). On the right, the search results section displays a list of results. The first result is titled 'FAX CHART FSAS-III - SYNOPTIC FEATURES/FOG AREA/WIND/SEA ICE COVER/SUPERSTRUCTURE ICING ON SURFACE AT 4H H FOR NORTH PACIFIC AREA'. Below the title are sections for 'Abstract' and 'Keywords'. The second result is titled 'FAX CHART ASAS - SYNOPTIC FEATURES-PLOTTED SURFACE DATA/FOG AREA/WIND ON SURFACE AT ANALYSIS FOR NORTH PACIFIC AREA'. A 'What's New' section is visible at the bottom left of the page.

Search
results



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Searching The Catalogue

- Primary method of accessing metadata in the catalogue.
- Two search modes:
 - **Normal Search:** Provides a simple text based and geographic based search for metadata items.
 - **Advanced Search:** Provides the complete set of search criteria that can be performed on the metadata.
- A metadata item must satisfy all non-empty search fields to be included in the list of results.



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Text Based Search (What?)

- Text search over all the elements of a metadata item.
- Search is conducted by splitting the field value into *terms*.
 - "*Weather Forecast*" becomes "*Weather*" and "*Forecast*"
 - Terms can be in any order.
 - Regardless of where the term is found, a metadata item containing every term entered will be returned.
- No support for phrases: need to use Advanced Search
- Case Insensitive

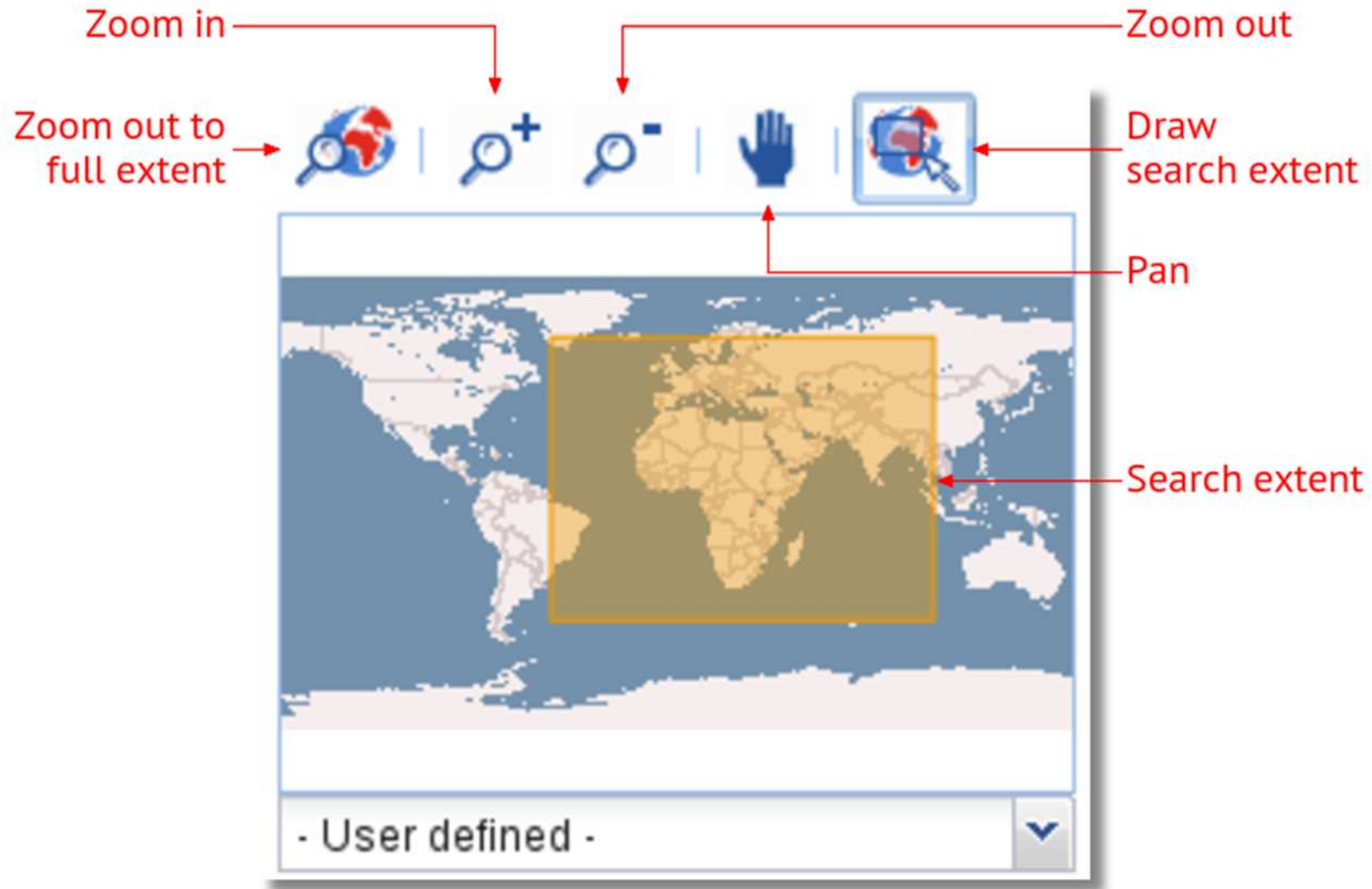


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Geographic Based Search (Where?)

- Allows searching for metadata by selecting a geographic region of interest (the *search extent*).
 - All metadata items with a *geographic extent* overlapping the search extent will be returned.
- The search extent is shown on the map as a yellow rectangle.
 - Can either be drawn manually, or
 - Selected from a predetermine set of regions.

Geographic Based Search (Where?)





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Search Options

- Used to adjust how the search results will be displayed.
- **Sort By:** Adjusts the ordering of the results:
 - *Change date*
 - *Popularity*
 - *Relevance*
 - *Title*
- **Hits Per Page:** Number of results returned per page.

Live Demo

Searching For Metadata using Normal Search

Metadata Results

Aggregate Results matching search criteria: 1-3/3 (page 1/1)

[Draft] DRAFT STOP-GAP METADATA GENERATED FOR BULLETIN SSVX13KARS

Request Subscribe Other actions

■ Abstract
ENTER ABSTRACT

■ Keywords
ENTER AT LEAST ONE KEYWORD FROM THE WMO_Codelist DICTIONARY [TBD] ENTER AT LEAST ONE KEYWORD FROM THE GEMET THESAURUS [http://www.eionet.europa.eu/gemet], ELSE REMOVE WHOLE gmd:descriptiveKeywords

dummy

View metadata XML

View metadata

Title — SSVX13 BULLETIN AVAILABLE FROM LFPW (TOULOUSE RTH)

Request Subscribe Other actions

■ Abstract
— The bulletin collects BUOY reports: FM 18 (BUOY, Report of a buoy observation). (Refer to WMO No.306 - Manual on Codes for the definition of WMO international codes) — The SSVX13 TTAAii ...

■ Keywords
Atmospheric conditions

Unknown Owner

Relevant links

Abstract and Keywords

Modification indicator

Owner

Request Subscribe Other actions

■ Abstract
— The bulletin collects BUOY reports: FM 18 (BUOY, Report of a buoy observation). (Refer to WMO No.306 - Manual on Codes for the



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Stop-Gap Metadata Items

- If a product without a metadata item has been ingested into OpenWIS, a *stop-gap* metadata item will be created and inserted into the catalogue.
- Acts as a placeholder for missing or incomplete metadata.
 - Uses information from the product header.
 - Uses generic information for remaining metadata elements.
- Stop-gap metadata items will be replaced with correct metadata as soon as it has been inserted into the catalogue.
- Indicated with a red "[Draft]" label.



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CREATING A SUBSCRIPTION



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Accessing Products

Subscription

- Regular delivery of products of a specific metadata item.
- Products can be sent as soon as they become available, OR can be queued to be delivered at a regular time interval.
- Subscriptions are active until they are paused or removed.



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Creating A Subscription

Period Selection: Which products are of interest.

- Specifies the time of day products associated with that metadata item should be collected for dissemination.
- Can choose individual hours or a continuous time range.

Schedule: When should the products be delivered.

- Specifies when OpenWIS should deliver products once they have been collected.
 - Deliver products as soon as they are ingested.
 - Collect products in the staging post and deliver them in batches.



Delivery Method Summary

	Staging Post	Email	FTP
Setup	Easy	Moderate	Moderate
Product sent via	Download using web browser	Attachment in email	File transfer
Consumable by	Humans	Humans / Automated systems	Automated systems
Suitable for	Small products consumed occasionally	Moderately sized products consumed regularly	Large products consumed frequently
Successful product delivery assurance	None	None	Ensures each file has been transmitted
Product delivery validation assurance	None	None	Ensures file sizes of source and transferred files are equal
Retry on failure	No	No	Up to 3 times



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Requesting A Products

Request
Product

The screenshot shows the OpenWIS Home web application interface. The browser window title is "OpenWIS Home - Mozilla Firefox". The address bar shows the URL "wisupt.bom.gov.au/openwis-user-portal/srv/en/main.home". The page header includes the Australian Government Bureau of Meteorology logo, the GISC Melbourne Global Information System Center logo, and the OpenWIS logo. The user is logged in as "Leon Mika (DP-Bot-public)" and can click "Logout".

The main content area displays search results for "SSVX13". The search criteria are "WHAT? SSVX13" and "WHERE?". The results are titled "WELCOME TO GISC MELBOURNE" and "Aggregate Results matching search criteria: 1-3/3 (page 1/1)".

Two search results are shown:

- SSVX13 BULLETIN AVAILABLE FROM LFPW (TOULOUSE RTH)**
 - Buttons: Request, Subscribe, Other actions
 - Abstract: The bulletin collects BUOY reports: FM 38 (BUOY, Report of a buoy observation). (Refer to WMO No.306 - Manual on Codes for the definition of WMO international codes) — The SSVX13 TTAAs ...
 - Keywords: Atmospheric conditions
 - Unknown Owner
- SSVX13 BULLETIN AVAILABLE FROM LFVW (TOULOUSE (ARGOS))**
 - Buttons: Request, Subscribe, Other actions
 - Abstract: The bulletin collects BUOY reports: FM 38 (BUOY, Report of a buoy observation). (Refer to WMO No.306 - Manual on Codes for the definition of WMO international codes) — The SSVX13 TTAAs ...
 - Keywords: Atmospheric conditions
 - Unknown Owner

A red arrow points from the "Request Product" text to the "Request" button of the first search result. At the bottom of the page, there is a draft notice: "[Draft] DRAFT STOP-GAP METADATA GENERATED FOR BULLETIN SSVX13KARS".



Subscriptions

Select the individual hours of the day products are to be issued

Create a subscription from cache

Sub-Selection parameters Primary dissemination Secondary dissemination Backup selection Summary

Period selection: **Time interval**

<input type="checkbox"/> [0,1]	<input type="checkbox"/> [1,2]	<input type="checkbox"/> [2,3]	<input type="checkbox"/> [3,4]
<input type="checkbox"/> [4,5]	<input type="checkbox"/> [5,6]	<input type="checkbox"/> [6,7]	<input type="checkbox"/> [7,8]
<input type="checkbox"/> [8,9]	<input type="checkbox"/> [9,10]	<input type="checkbox"/> [10,11]	<input type="checkbox"/> [11,12]
<input type="checkbox"/> [12,13]	<input type="checkbox"/> [13,14]	<input type="checkbox"/> [14,15]	<input type="checkbox"/> [15,16]
<input type="checkbox"/> [16,17]	<input type="checkbox"/> [17,18]	<input type="checkbox"/> [18,19]	<input type="checkbox"/> [19,20]
<input type="checkbox"/> [20,21]	<input type="checkbox"/> [21,22]	<input type="checkbox"/> [22,23]	<input type="checkbox"/> [23,24]

Select All

Time period

Schedule: On product arrival Recurrent processing

Starting at: 2013-04-12 00:00

Recurrent period: Every: Hour(s)

Previous Next Save Cancel



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Subscriptions

Select a daily
continuous
issuing period

Create a subscription from cache

Sub-Selection parameters Primary dissemination Secondary dissemination Backup selection Summary

Period selection: Time interval

Time period

From 03:15 To 10:30

Schedule:

On product arrival

Recurrent processing

Starting at:

2013-04-12 00:00

Recurrent period:

Every: Hour(s)

Previous Next Save Cancel



Subscriptions

Create a subscription from cache

Sub-Selection parameters | Primary dissemination | Secondary dissemination | Backup selection | Summary

Period selection:

Time interval

<input type="checkbox"/> [0,1]	<input type="checkbox"/> [1,2]	<input type="checkbox"/> [2,3]	<input type="checkbox"/> [3,4]
<input type="checkbox"/> [4,5]	<input type="checkbox"/> [5,6]	<input type="checkbox"/> [6,7]	<input type="checkbox"/> [7,8]
<input type="checkbox"/> [8,9]	<input type="checkbox"/> [9,10]	<input type="checkbox"/> [10,11]	<input type="checkbox"/> [11,12]
<input type="checkbox"/> [12,13]	<input type="checkbox"/> [13,14]	<input type="checkbox"/> [14,15]	<input type="checkbox"/> [15,16]
<input type="checkbox"/> [16,17]	<input type="checkbox"/> [17,18]	<input type="checkbox"/> [18,19]	<input type="checkbox"/> [19,20]
<input type="checkbox"/> [20,21]	<input type="checkbox"/> [21,22]	<input type="checkbox"/> [22,23]	<input type="checkbox"/> [23,24]

Select All

Time period

Schedule:

On product arrival

Recurrent processing

Starting at:

2013-04-12 00:00

Recurrent period:

Every: Hour(s)

Previous Next Save Cancel

Send the product as soon as it is ingested

Collect the products and send them as routine batches



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Configuring Product Delivery

Create a request from cache

Sub-Selection parameters **Primary dissemination** Secondary dissemination Summary

Public Dissemination +

Staging post -

Compression: NONE

Warning : your product will be purged from the Shopping cart after 5 days.

Previous Next Save Cancel

Compression
(None, Zipped,
WMO_FTP)



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Configuring Product Delivery

FTP Delivery →
Email Delivery →

Create a request from cache

Sub-Selection parameters **Primary dissemination** Secondary dissemination Summary

Public Dissemination [-]

Compression: NONE [v]

FTP [v]

Mail [v]

Staging post [+]

Previous Next Save Cancel



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Configuring Product Delivery

Dissemination parameters (Fields marked with a "*" are mandatory, advanced parameters are optional)

Create a request from cache

Sub-Selection parameters | **Primary dissemination** | Secondary dissemination | Summary

Public Dissemination

Compression: NONE

FTP

Host *:

Path *:

User *:

Password *:

Advanced

Mail

Staging post

Previous Next Save Cancel

Saves parameter values as a "Favourite"



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Configuring Product Delivery

Secondary
Dissemination
(Configured the
same way as
Primary
Dissemination)

Create a request from cache

Sub-Selection parameters Primary dissemination **Secondary dissemination** Summary

Specify a dissemination

Public Dissemination +

Staging post -

Compression: NONE

Warning : your product will be purged from the Shopping cart after 5 days.

Previous Next **Save** Cancel

Click Save
to retrieve
the product



Dissemination Summary

View request 000052

Sub-Selection parameters Primary dissemination Secondary dissemination **Summary**

User: [redacted]
Request ID: 000052
Datasource: CACHE
Product metadata URN: urn:x-wmo:md:int.wmo.wis::SSVX13LFPW
Product metadata title: SSVX13 bulletin available from LFPW (TOULOUSE RTH)

Created on	Submitted ...	Completed on	Message	Volume
10-04-2013 23:47		10-04-2013 23:47	Number of file(s)...	122 Bytes

Page 1 of 1

Displaying request 1 - 1 of 1

Download

Previous Next Close


Request Summary

Product delivery details

Download the product from the staging post (Available regardless of delivery mechanism)





FTP Options

Field	Description	Default Value
Host	The host to transfer the files to.	<i>(required)</i>
Path	The target directory on the host.	<i>(required)</i>
User	The FTP username	<i>(required)</i>
Password	The FTP password	<i>(required)</i>
Port	The FTP port	22
Passive	Enable FTP passive mode	Off
Check File Size	Check file size after transfer.	Off
Encrypted	<i>Not used</i>	Off
File Name 	Target file name of the (first) file.	<i>(use product filename)</i>



Email Options

Field	Description	Default Value
Email Address	The address to send the email to	<i>(required)</i>
Header Line	Sets an email header (must be in the form "Name: Value")	<i>(none)</i>
Email TO/CC...	Which address to use	To
Subject 	The email subject	<i>(none)</i>
Attachment Mode	The attachment disposition of the products	As Attachment
File Name 	The filename of each of the attachments.	<i>(use product filename)</i>

Notes:

- Subject lines will have "[SEC=UNCLASSIFIED]" appended to it.
- "Inline" attachment mode is actually a MIME attachment with the content disposition set to "inline". Single text products will appear within the emails body.

Live Demo

Subscribing To A Product



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MY ACCOUNT



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Managing Subscriptions

- Can be found at:
My Account → Track my requests → Subscriptions
- Shows the list of current subscriptions.
- From here it is possible to:
 - Suspend (or resume) subscriptions.
 - Modify the subscription parameters.
 - View the metadata item the subscription was made against.
 - Remove (unsubscribe from) the subscription.



Managing Subscriptions

Track my local subscriptions

Product	Backup?	Subscription ID	Start	Last event date
SPA061 collection of SPECI reports a...	false	0000006	04-03-2013 00:00	05-03-2013 04:03
SSVX13 bulletin available from LFPW...	false	0000004	12-04-2013 00:00	12-04-2013 01:35

Page 1 of 1

Displaying subscription 1 - 2 of 2

View/Edit subscription View metadata Suspend Resume Discard

Track my remote subscriptions

Select a deployment

Deployment	Product	Backup?	Subscription ID	Start	Last event date
------------	---------	---------	-----------------	-------	-----------------

Current subscriptions

View summary

View metadata

Unsubscribe

Resume

Suspend



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User Alarms

- Can be found in **Track My Requests** for both requests and subscriptions.
- Display delivery errors for requests or subscriptions which could not be sent.
- From here it is possible to:
 - View the request/subscription which had the error.
 - Download the data from the staging post.
- First point of call to view the status of any deliveries which did not arrive.



User Alarms

User alarms

Raised on	Request ID	Message
01-10-2013 23:25	0000346	Delivery failed: FTP I/O error while connecting to notexistant.example.com:21: notexistant.ex
01-10-2013 23:23	0000345	Invalid header syntax: must be of the form 'key: value'

Page 1 of 1 | Displaying alarm 1 - 2 of 2

[View request](#) [Download](#) [Acknowledge](#) [Acknowledge All](#)

Track my local requests

Product	Created on	Request ID	Status	Volume
SSVX.13 bulletin available from LFPW...	27-09-2013 00:36	0000342	Complete	128 Bytes
SSVX.13 bulletin available from LFPW...	01-10-2013 04:56	0000343	Complete	244 Bytes
SSVX.13 bulletin available from LFPW...	01-10-2013 23:24	0000346	Complete	378 Bytes

Annotations:

- List of user alarms (points to the alarm table)
- View request that caused alarm (points to the View request button)
- Download from staging post (points to the Download button)
- Acknowledge all alarms (points to the Acknowledge All button)
- Acknowledge selected alarm (points to the Acknowledge button)

Live Demo

Managing Subscriptions



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My Account

- The **My Account** section is used for managing data associated with your personal account.
- Three main sections:
 - **Metadata Services:** Metadata authoring and management tools.
 - **Track my Request:** History of requests and current subscriptions to data.
 - **Personal Information:** Managing account details and changing the account password.



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Managing Your Account

- To change your personal information:
 - Go to the *User Information* section.
 - Make any amendments and click *Save*.
- To change your password:
 - Go to the *Change my password* section.
 - Enter your new password and click *Save*.
- Changes to your personal information and your password will be performed immediately.

Live Demo

Managing User Account



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Getting Help

- **Help Guide:** Provides details on how to perform the most common operations in OpenWIS.
- **Technical Support:** Contact NMOC or send an email to openwis-support@bom.gov.au
- **General Enquires:**
 - NMOC
 - GIS operations: gisc-op@bom.gov.au
 - Weiqing or myself



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Summary

- Searches can be conducted anonymously, but an account is needed to access or subscribe to products.
- Subscriptions are created by searching the catalogue, and then Subscribing to individual products, which can be delivered via the *Staging Post*, or by being disseminated via *Email* or *FTP*.
- Subscribed products The status of recent requests and subscription deliveries can be checked in the **My Account** → **Track My Requests** section.
- The **My Account** section is used for modifying your personal information, amongst other things.



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Questions?





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Thank you...

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