# **ECMWF Production Data Store (ECPDS)**

The ECPDS is the system used to produce and disseminate real-time forecast data to users - it is only available to Member & Co-operating States /Full NMHS/Maximum charge licence holders (under the old costing system)/ Silver or Gold Service Package licence holders (new Service Charge Model) and satellite data providers.

## What is ECPDS?

The ECMWF Production Data Store (ECPDS) is the system used to produce and disseminate real-time forecast data. Data retrieval and data distribution can be initiated by ECPDS using various protocols such as: ftp, ftps, http/s, Amazon S3, Microsoft Azure, dissftp and ECaccess/ECtrans.

See an overview of the ECMWF Production Data Store (ECPDS).

This page explains how you can use the ECPDS to:

- · Re-send files to your server or download them locally
- Push test files to your server or download them locally
- · Check the status or progress of files transmission
- Modify priority within produced files
- View host configuration
- Get network information (trace route)
- View your organisation contact list

## Access and login

#### Please login on https://diss-monitor.ecmwf.int/do/start

You will need fill in a username and password. For the password, you need to use a TOTP. This is a six digit code which is generated via a smartphone. This is used instead of the password provided by ECMWF. You can configure the TOTP using the steps on this page: TOTP: How to activate. If you have any problems with access please contact us through the Support Portal.

In the past, we have used a security token. You can still login using this device, but we don't send out new tokens to users.

## The ECPDS interface



Click on Destinations and select the destination that you want to act on

### Available information

Status Idle Last None Last None Started None Monitor no Filter None Parallel None Acquisition no Enabled yes

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#### **ECPDS VIDEO TUTORIALS**

#### **ECPDS** Intro

ECPDS: how to login and check the status of products dissemination

ECPDS: how to access data file filters and check data volumes of disseminated products

ECPDS: information on files and transfer errors

ECPDS: how to configure the host

ECPDS: how to find monthly, hindcast, and seasonal ECMWF products in ECPDS

ECPDS: simple operations you can do on your files in dissemination

ECPDS: how to use the timeline functionality

#### GET HELP

Create a support ticket in our Support portal

Contact Data Services

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#### Expand all Collapse all

- Status
  - ° Initialized: the Destination was just created and needs to be started
  - 0 Retrying: the Destination is currently sending a file which failed before
  - Idle: there are no files to process in the queue for the time being 0
  - Stopped: the Destination was manually stopped
  - Running: the Destination is currently sending files
  - · NoHosts: there is not a single Host defined or activated for this Destination
  - Waiting: there are files in the queue waiting to be processed
  - · Restarting: the Destination was manually restarted
  - Sleeping: the Destination is sleeping before to enter the Retrying mode (when errors occurs the Destination can pause for some time before to retry)
- . Last transfer
- Last Error
- Started ٠
  - Monitor: 'Yes' implies that our operators monitor this destination and will be aware of issues

### Available filters

Dissem_Str	All (1570)		CA (48)	CR	(1)	E1 (	1113)	EC (3)	GR (10)	T1 (29)	T2 (72)
	T3 (2)		T4(1)	T5	(254)	TD (	4)	TE (4)	TS (29)		
Data_Str	All (1570)		00- GENFO (349)	00- GENFOGTS	(2)	GOPER	305)	GOPERGTS (1)	06- GSCDA (98)	06- GSCEF (218)	06- GSCWE (109)
	06- GSCWV (92)		00- GWAEF (197)	00-GWAVE	(199)						
Base_Time	All (1570)		00 (1053)	06	(517)						
Status	All (1570)		StandBy (1570)								
Prod_Date		All	Tue_24	Mon_2	3	Sun_	22	Sat_21	Fri_20	Thu_19	Wed_18

- Dissem\_Str list all the "streams" or feed configured for this destination.
  - ° In parenthesis the number of files
  - ° On mouseover, you will see the volume
  - · Click on one stream name will filter the display below and show only that stream
  - Data\_Str (file naming convention of MARS)
    - OPER
    - GENFO
- 0 Status
  - Done (files successfully transferred)
  - Transmitting
  - StandBy (files not scheduled for automatic transfer. They can be pushed manually)
    Queued (files scheduled for later transfer)
- Date
  - Default is today
  - all will show files for all dates
- · Filename: free text to filter the display. Use regular expression syntax

### Transfer table

S	Host	Sched. Time	Start Time	Finish Time	Target	TS	96	Mbits/s	Status	Prior		
۲	[not-transferred]	24 Nov 13:04:00	[n/a]	[n/a]	E1G11240600113006001	144	0	[n/a]	StandBy	50		۰.
۲	[not-transferred]	24 Nov 13:04:00	[n/a]	[n/a]	E1X11240600113006001	144	0	[n/a]	StandBy	50	±	**
۲	[not-transferred]	24 Nov 13:04:00	[n/a]	[n/a]	T5X11240600113006001	144	0	[n/a]	StandBy	69		<u>ن</u> و
۲	[not-transferred]	24 Nov 13:03:30	[n/a]	[n/a]	E1G11240600113003001	141	0	[n/a]	StandBy	50	± • 0 * *	±+
۲	[not-transferred]	24 Nov 13:03:30	[n/a]	[n/a]	T5X11240600113003001	141	0	[n/a]	StandBy	69		۰.
۲	[not-transferred]	24 Nov 13:03:30	[n/a]	[n/a]	E1X11240600113003001	141	0	[n/a]	StandBy	50	±	**
۲	[not-transferred]	24 Nov 13:03:00	[n/a]	[n/a]	E1G11240600113000001	138	0	[n/a]	StandBy	50		· 👷 • 👘
۲	[not-transferred]	24 Nov 13:03:00	[n/a]	[n/a]	E1X11240600113000001	138	0	[n/a]	StandBy	50		**
۲	[not-transferred]	24 Nov 13:03:00	[n/a]	[n/a]	T5X11240600113000001	138	0	[n/a]	StandBy	69		٠.
۲	[not-transferred]	24 Nov 13:02:30	[n/a]	[n/a]	E1G11240600112921001	135	0	[n/a]	StandBy	50	±	**
۲	[not-transferred]	24 Nov 13:02:30	[n/a]	[n/a]	E1X11240600112921001	135	0	[n/a]	StandBy	50		· 👷 • 👘
۲	[not-transferred]	24 Nov 13:02:30	[n/a]	[n/a]	T5X11240600112921001	135	0	[n/a]	StandBy	69		**
۲	[not-transferred]	24 Nov 13:02:00	[n/a]	[n/a]	E1G11240600112918001	132	0	[n/a]	StandBy	50		٠.
۲	[not-transferred]	24 Nov 13:02:00	[n/a]	[n/a]	E1X11240600112918001	132	0	[n/a]	StandBy	50	÷~0**	**
۲	[not-transferred]	24 Nov 13:02:00	[n/a]	[n/a]	T5X11240600112918001	132	0	[n/a]	StandBy	69		۰.
۲	[not-transferred]	24 Nov 13:01:30	[n/a]	[n/a]	E1G11240600112915001	129	0	[n/a]	StandBy	50		**
۲	[not-transferred]	24 Nov 13:01:30	[n/a]	[n/a]	T5X11240600112915001	129	0	[n/a]	StandBy	69		٠.
*	[not-transferred]	24 Nov 13:01:30	[n/a]	[n/a]	E1X11240600112915001	129	0	[n/a]	StandBy	50		÷+

The display shows the transfer table. The table can be ordered by clicking on any column:

- S (error status)
  - o green tick: transfer ok
  - ° red cross: there was an error (the file may still have been transmitted)
- Host
- Sched. Time (Scheduled time) this is the earliest time at which the file can start being transmitted
- Start Time: this is the actual time at which a file started being transmitted
- Finish Time: Time at which the file transfer is completed
- Target: filename
- TS: Timestep
- %: show how much of the file has been transferred
- Bytes/s: the average speed at which the files were transferred
- Status: same as in the filter section
- Prior: priority. A low number indicates a high priority (files will be transferred before lower priority ones if scheduled at the same time). Priority is configured in the requirements and is configured per stream.
- Action:
  - Download locally

- ° Re-queue: Send/Resent to host
- Increase/decrease priority
- Select: allow to select individual files. The red arrow will display your current selection
  - A/N/R at the bottom of the table
    - A select all files

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- N un-select all
- ° R reverse selection

## Easy operations you can do on your files

### Stopping or restarting a destination

You would stop a destination if there is an outage period on your side. Stopping a destination makes that file transmission stops. After you restart it again, the files will be transferred automatically. Note that the lifetime of files on ECPDS is only 3 days. In case, your outage is for a longer period, you will need to extend the lifetime of the files (see 3. Extending the lifetime).

For stopping or restarting a destination, you use the following buttons, which you can find above the transfer table:



stops the destination gracefully (use this option if files are currently transferring, the destination will be stopped once all files have completed)

- stops the destination immediately.
- restarts the destination gracefully.
- restarts the destination immediately.

### Push real-time data to yourself or stop files being pushed

Apply the filters to select only the data you want to transfer/stop transfer.

Files which have not been pushed before will have the status 'StandBy', files which are queued for pushing have the status 'Queued'. Files with the status 'done' have been sent.

In the example below, files are selected belonging to the 'TT' data feed from Thursday 19th March:

Status Waitin	19 Last Transfer 07:20 Error	None Started None Monitor yes Filter None	Parallel None Act	uisition no Er	abled yes			
Dissem_Str	All (360)	TT (360)						
Data_Str	All (360)	00-GSCWV (91)	06- GSCWV <sup>(5)</sup>	12- GSCWV <sup>(91)</sup>	18- GSCWV (5)	00- GWAEF (50)	12- GWAEF (50)	00- GWAVE (34)
	12- GWAVE (34)							
Base_Time	All (360)	00 (175)	12 (175)	06 (5)	18 (5)			
Status	All (360)	(StandBy (360)						
Prod_Date	All	Fri_20	( Thu_19 )	Wed_18	Tue_17	Mon_16	Sun_15	Sat_14
	0							

Scroll down to the bottom of the file list and select all files by pressing 'A' (see screenshot below)

ne > Transmission > Destinations > WEQ											
[not-transferred] 19 Mar 19:04:00		[n/a]	TTW03191200032512001	144	0		StandBy	50			
(not-transferred) 19 Mar 19:03:30			TTW03191200032509001	141	0		StandBy	50			
[not-transferred] 19 Mar 19:03:00			TTW03191200032506001	138	0		StandBy	50			
[not-transferred] 19 Mar 19:02:30			TTW03191200032503001	135	0		StandBy	50			
(not-transferred) 19 Mar 19:02:00			TTW03191200032500001	132	0		StandBy	50			
[not-transferred] 19 Mar 19:01:30			TTW03191200032421001	129	0		StandBy	50			
[not-transferred] 19 Mar 19:01:00			TTW03191200032418001	126	0		StandBy	50			
(not-transferred) 19 Mar 19:00:30			TTW03191200032415001	123	0		StandBy	50			
[not-transferred] 19 Mar 19:00:00			TTW03191200032412001	120	0		StandBy	50			
[not-transferred] 19 Mar 18:59:30			TTW03191200032409001	117	0		StandBy	50			
(not-transferred) 19 Mar 18:59:00			TTW03191200032406001	114	0		StandBy	50			
[not-transferred] 19 Mar 18:58:30			TTW03191200032403001	111	0		StandBy	50			
[not-transferred] 19 Mar 18:58:00			TTW03191200032400001	108	0		StandBy	50			
(not-transferred) 19 Mar 18:57:30			TTW03191200032321001	105	0		StandBy	50			
[not-transferred] 19 Mar 18:57:00			TTW03191200032318001	102	0		StandBy	50			
[not-transferred] 19 Mar 18:56:30			TTW03191200032315001	99	0		StandBy	50			
[not-transferred] 19 Mar 18:56:00			TTW03191200032312001	96	0		StandBy	50			
[not-transferred] 19 Mar 18:55:30			TTW03191200032309001	93	0		StandBy	50			
[not-transferred] 19 Mar 18:55:00			TTW03191200032306001	90	0		StandBy	50			
							(A)N/R	360	)		
semination Host(s)								Salec	t all Pages a	nd go to Sele	icted 1
ime	_	_	Priority	-	-	0	Actions	Sube	et		
Q-Internet-Host2			0				0100				

Click on the Select all Pages (A) and go the the Selected Transfer Subset Icon (see image above). Please note, that it may take a while to load the next page.

Scroll down to the bottom of the page

• For pushing files, click on the green Requeue arrow

- this triggers the transfer of the files.

• For stopping files click on Stop icon 💙 -this will unqueue the files from the transfer queue.

### Extending the lifetime of a file

Select the files by applying the required filter and by clicking on A and on the icon, as explained under point 2) Push the data to yourself.

Scroll down to the bottom of the page and click on the Extend Transfer Lifetime \_\_\_\_\_icon. This can take a long time to process, depending on how many files you are extending.

One click = one extra day.

You can press this button several times to extend by e.g. 3 days (be careful not to clog up ECPDS with 1000's of files).

Check if the lifetime is extended as required. You click on one of the files for which you have extended the lifetime. Under 'expiry date' it shows until which date the file will be there.

## Host configuration



This table lists the hosts associated with this destination. Note that we only send data to **one host** (the main host) based on priority (the lower the number the higher the priority). You can deactivate a host or change the priority. We need a backup host in case of failure to deliver to the main host. This will happen automatically.

To see the configuration details of each host click on the Host Name in the dissemination host(s) table:

	Hostname/IP	23	Id
L:LAN	Label	ECM+LAN+Host1	Nickname
	Login	Anonymous user	Owner
******	Passwd	internet	Transfer Group
lbzip2	Filter Name	1	Max Connections
yes	Enabled	genericSftp3	Transfer Method
yes	Valid	Dissemination	Туре

If you want to send your data to your backup server (EC1-LAN-Host2 in our example)

- disable the main host (red cross)
- or change the priorities so that the back appears on the top.

The system will always try to send the data to the host with the highest priority (lowest number).

To activate a host which is currently disabled please select the green arrow to reactivate the host.

## Get network information

Clicking on Network Info in the left-hand menu, will create a trace-route from our server to your server, which is useful for troubleshooting network issues.

### Metadata

From the left-hand menu choose "xxx-Metadata" where xxx is the destination you are looking at. You will see your metadata, as shown below.

Please ensure that the contacts are up to date. If the information is not correct, contact the Data Support Team with new details.

ECN	1 (Idle)	
2	Parameters	
٩	Data Rates	
0	Aliased From	
⊗	Aliases To	
=	Transfer Timeline	
۵	Transfer History	
s?	Metadata	

INED Page			
Sad Number			
Comments			
general	LAN destination - to LXOP for re-processing grib data to deliver to excharts. In case of LXOP issues), Failure of this will eventually impact excharts due to non delivery of data	problems, please o	ontact the relevant analyst (ecpds: Grid group for dissemination, servers: SDS for
Main Operation	al Contact		
Name	Telephone	Fax	eMail
Shift Staff			Ecriwif.Operators@ecriwif.int
MailGroup			
Name	Email		
	Ecrowf.Operators@ecrowf.int		