



gempa Dissemination Server

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Event Log

Dissemination 3/3: Subscription Selection (Edit Mode)



gfz2013xsap (r5)

Select a service from the menu on the right. Click on the icon in the service header to preview the final formatted content. Toggle the current active service to return to the subscription selection.



email

Text

web

sms

email

Subject: Event gfz2013xsap: 5.4 (M)

Alert gfz2013xsap: determined by 11 stations, type A

LOCSTAT solution with earthmodel iasp91 (with start solution, 11 stations used, weight 11):

Northwest of Australia M=5.4 2013/12/04 04:04:09.9 14.43 S 115.59 E 5

Stat	Net	Date	Time	Amp	Per	Res	Dist	Az	mb	ML	mB
AAI	IA	13/12/04	04:07:58.6	722.2	0.7	-2.2	16.4	50	6.1	0.0	6.0
KRAI	IA	13/12/04	04:08:05.9	42.7	0.5	0.2	16.8	50	5.0	0.0	5.9
MSAI	IA	13/12/04	04:08:11.7	35.0							
WRAB	II	13/12/04	04:08:27.7	19.7							
SWI	IA	13/12/04	04:08:53.0	30.4							
SIJI	IA	13/12/04	04:08:53.0	7.3							
IPM	MY	13/12/04	04:09:22.7	45.9							
WAMI	IA	13/12/04	04:09:37.3	801.9							

RMS-ERR: 2.22

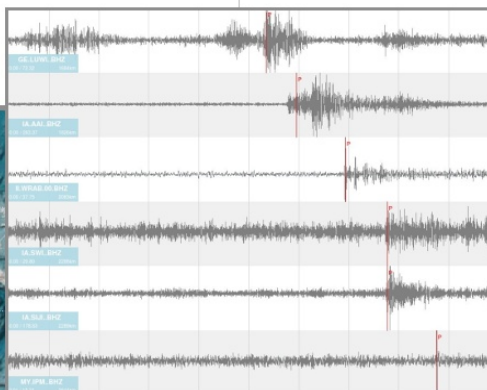
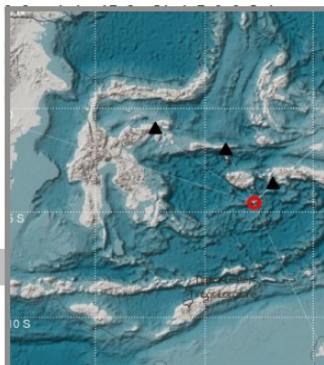
First location: 2013/12/04 04:11:10

This location: 2013/12/04 05:29:07

epicenter.jpg base64:19477 bytes

traces.jpg base64:204877 bytes

Publish



Inform All Your Stakeholders

gempa's communication, dissemination and publication tools, **GDS**, **QuakeLink** and **GIS** collect event information and disseminate template-based messages through various communication channels such as SMS, email, fax and web. Using a plug-in technology they import and filter earthquake information from different sources before dissemination. GDS, QuakeLink and GIS complement the functionalities of SeisComp3 and TOAST in the domain of dissemination of notifications and warnings.

With GDS you keep your customers and stakeholders informed, saving lives and protecting essential infrastructure.

FEATURES

- Bulletin creation from customized template
- Various communication channels, e.g. SMS, email, fax, web
- Fine-grained access control, different roles and privileges
- Automatic and manual dissemination
- Web-based user interface
- Direct connectivity to TOAST
- Detailed logging
- High-availability mode
- Modular and expandable

Name: world_big_europe_any

A queue is the central configuration unit having a set of criteria and subscriptions associated to. If any of the queue's criteria matches the received earthquake information, processing of the configured subscriptions is triggered.

Description: big events world wide, europe any

☐ Manual If enabled, this queue is not active for automatic dissemination and only matches when disseminated manually in the Web frontend.

Criteria	Name	Region	Evaluation Mode	Min. Phase Count	Max. Phase Count	Min. Magnitude Count	Max. Magnitude Count	Min. Magnitude	Max. Magnitude	Min. Depth	Max. Depth	Max. RMS
world wide mag 5	world	Any						5.0				
europe any	europe	Any										

[Add another Criterion](#)

Subscriptions	Subscriber	Service	Custom Filter	Service Target	Resend	Delete?
email, world, big, europe, any, -, default, test@gempa.de						
default	email			test@gempa.de	<input type="checkbox"/>	<input type="checkbox"/>

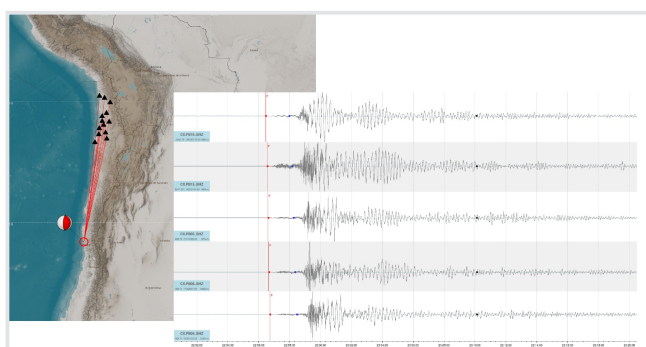
Home Stations Events Administration

QuakeLink

2015.279#0ac16b6

Archive > 2015 > 11 > 11

Origin Time UTC	Mag	Latitude degrees	Longitude degrees	Depth km	A M	Agency	Region Name
2015-11-11 00:12:29	2.4	19.74°S	70.14°W	2	C	gempa	Tarapaca, Chile
2015-11-11 00:26:56	5.6	6.21°N	147.62°E	10	C	gempa	E. Caroline Islands, Micronesia
2015-11-11 00:49:16	2.2	21.44°S	68.69°W	91	C	gempa	Antofagasta, Chile
2015-11-11 00:50:55	2.1	21.12°S	68.72°W	118	C	gempa	Antofagasta, Chile
2015-11-11 00:57:06	1.8	20.17°S	69.67°W	5	C	gempa	Tarapaca, Chile
2015-11-11 00:58:41	2.5	20.73°S	69.19°W	94	C	gempa	Tarapaca, Chile
2015-11-11 01:04:52	2.6	21.55°S	68.73°W	138	C	gempa	Antofagasta, Chile
2015-11-11 01:15:08	1.8	21.90°S	70.18°W	66	C	gempa	Near Coast of Northern Chile
2015-11-11 01:17:47	2.1	20.69°S	68.86°W	96	C	gempa	Tarapaca, Chile
2015-11-11 01:25:05	2.5	21.44°S	68.54°W	140	C	gempa	Antofagasta, Chile
2015-11-11 01:31:26	3.4	20.23°S	70.96°W	5	C	gempa	Near Coast of Northern Chile



GDS – Dissemination

In **GDS**, the central configuration unit is a queue having information filters and associated subscriptions. If any of a queue's criteria matches the received earthquake information, processing of the configured subscriptions is triggered. Queues can be configured to require manual review before dissemination.

QuakeLink – Communication

QuakeLink is the recommended utility for communication between a SeisComp3 system, GDS and GAPS. It is new protocol with a software implementation to exchange earthquake information in real time or in time windows. QuakeLink offers plug-ins to import earthquake information from different sources.

GIS – Image Rendering

GIS is a Web server rendering map and trace images for a particular earthquake. Maps can be plotted with epicenter, station and moment tensor symbols and even polygons indicating warning zones or administrative borders. Traces may be sorted and may include estimated and observed arrival times of various seismic waves.

TECHNOLOGY

GDS consists of a set of individual modules to

- acquire earthquake information,
- filter dissemination queues,
- generate various message formats based on templates,
- automatic and interactive bulletin dissemination through various communication channels.

gempa developed a new protocol with a software implementation (QuakeLink) for exchanging earthquake information in real-time or based on time windows. QuakeLink offers plug-ins to import earthquake information from different sources such as a SeisComp3 system. Combining with GIS, GDS can include images in disseminations.

GDS connects to QuakeLink for earthquake updates. Based on predefined criteria new earthquake information are filtered and forwarded to all matching queues. Based on configurable templates bulletins are created, stored in spool directories and sent by email, SMS, fax, Web or almost any other service to the subscribed recipients. Bulletins may contain figures created by GIS. Web interfaces allow configuration, interactive bulletin dissemination and history review. The Web interfaces ship with a user management supporting assignment of fine-grained privileges to users or groups and separation of configuration and dissemination. Any modification to the configuration is tracked and can be reviewed.