

# 3rd SIG-NOC meeting

13-14 April, 2016

Stockholm, Sweden



The GÉANT Special Interest Group on Network Operation Centres (SIG-NOC) brings together NOC managers, engineers, developers, operators, controllers and project managers interested in NOC functions in order to share experiences and knowledge as well as to investigate the possibility of creating best common practices.

## Venue

The NORDUnet office is conveniently located within a walking distance (~10 minutes) of the Stockholm Central Train Station.

**Tulegatan 11**

**113 86, Stockholm, Sweden**

- **Airports**
  - Bromma ( BMA), geographically closest to the city centre and to the Sunet offices.
  - Arlanda (ARN), easily accessible via the airport train Arlanda express, 20 min to the centre. If flying around rush hour, Arlanda and Arlanda Express might be the best option.
- **Hotels**
  - Right in front of the Sunet offices is the Birger Jarl Hotel <http://www.birgerjarl.se/default-en.html>
  - A street away is the Hotel Hellsten [http://hellsten.se/en/Hotel\\_Hellsten](http://hellsten.se/en/Hotel_Hellsten)
  - More hotels near Rådmanngatan: <http://goo.gl/GiobFw>

## Remote participation

Conference details (we can use my MCU meeting room) :

To connect from your desktop, go

<http://109.105.113.228:60580/scopia/mt/ndn?ID=6943>

To connect from a phone pleas dial +45 8873 8884 use meeting ID 6943

To connect from an IP terminal, please dial: 109.105.113.228 and enter meeting ID 6943

**We recommend you install the desktop client beforehand.**

## Quick Links

[Attendees](#)

[Venue](#)

## Presentations

## Agenda

Wednesday, 13 April 2016

09.00 -	<b>Welcome to SIG-NOC, introductions, agenda, logistics</b>
09.15	Jonny Lundin (NORDUnet)
09.15 -	<b>DDoS mitigations by Cloudflare</b>
10.15	Chris Branch (Cloudflare)
10.15 -	<b>Coffee</b>
10.45	
10.45 -	<b><i>Designing inventory systems addressing the principles of a modular OSS/BSS compliant inventory</i></b>
13.00	<ul style="list-style-type: none"><li>• <b>The design of inventory systems for backbone networks</b> Afrodite Sevasti (GRNET)</li><li>• <b>UNINETT's CMDB system</b> Håvard Kusslid (UNINETT)</li><li>• <b>AARNet to automate ordering &amp; provisioning of various service</b> David Wilde (AARNet) - remotely</li></ul>
	<b>OPEN DISCUSSION</b>
13.00 -	<b>Lunch</b>
14.00	
14.00 -	<b>DDoS from an NREN point of view</b>
15.00	Fredrik (Hugge) Korsbäck (SUNET)
	<b>OPEN DISCUSSION</b>
15.00 -	<b>Coffee</b>
15.30	
15.30 -	<b><i>Services focused NOCs</i></b>
16.30	<ul style="list-style-type: none"><li>• NRENs are deploying more services for their clients all the time.</li><li>• How is your NOC dealing with these changes and what new services are you supporting?</li><li>• ...</li></ul>
	<b>OPEN DISCUSSION</b>

16.30 - 17.30	<i>Guided tour to the NORDUnet/SUNET NOC...</i>
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Attendees are invited to join the social dinner at their own expenses:

<http://www.missclarahotel.com/restaurang>

Meet in front of the office at 18:45.

Thursday, 14 April 2016

09.00 - 10.30	<p><i><b>NOC success stories</b></i></p> <ul style="list-style-type: none"> <li>• <b>Icinga integration with ticketing</b> Petr Hanousek (CESNET)</li> <li>• <b>SUNET 2016 network design, a different design approach</b> Magnus Bergroth (SUNET)</li> </ul>
10.30 - 11.00	<b>Coffee</b>
11.00 - 12.00	<p><b>NOC Tools Survey - Preliminary results</b> Maria Isabel Gandía Carriedo (CSUC)</p> <p><b>OPEN DISCUSSION</b></p>
12.00 - 13.00	<p><i><b>What training are people getting right now?</b></i></p> <ul style="list-style-type: none"> <li>• <b>Information gathering</b></li> <li>• <b>NOC Training development - discussion session</b> Led by Peter Szegedi (GÉANT)</li> <li>• 5 day ITIL Service Desk training, but 5 days long</li> <li>• Get detailed description of training</li> <li>• What parts are interesting, what parts we can drop</li> <li>• Aim to narrow it down to 2 days if possible</li> <li>• Try to wrap around some SIG-NOC specific piece</li> </ul> <p><a href="#">Look at the planning</a></p> <p><b>OPEN DISCUSSION</b></p>
13.00	<b><i>CLOSING</i></b>