General Coordinates Network

NASA’s Next Generation Time-Domain and Multimessenger Alert System

A service of the Astrophysics Science Division at NASA’s Goddard Space Flight Center

https://gcn.nasa.gov
New GCN web site at https://gcn.nasa.gov

- Updated look and feel
- More accessible, based on US Web Design System
- Single sign on with:
  - email and password
  - Google
  - Facebook
  - LaunchPad (for NASA employees and affiliates)
Why switch to the new GCN?

<table>
<thead>
<tr>
<th>Feature</th>
<th>GCN Classic</th>
<th>GCN Classic over Kafka</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-service</td>
<td>NO. Users need to contact administrator in order to make account and subscription changes</td>
<td>YES. Manage your own account and subscription settings through this web site</td>
</tr>
<tr>
<td>Open standards</td>
<td>NO. Notices are sent using three custom protocols</td>
<td>YES. Notices are sent using one standard protocol, Apache Kafka</td>
</tr>
<tr>
<td>Open source</td>
<td>NO. Custom software needed to receive notices</td>
<td>YES. Receive notices using open-source software</td>
</tr>
<tr>
<td>Highly available</td>
<td>NO. Notices are broadcast by a single server</td>
<td>YES. Notices are broadcast by a cluster of highly-available Kafka brokers in the cloud</td>
</tr>
<tr>
<td>Secure</td>
<td>NO. Notices are sent as plaintext</td>
<td>YES. Notices are protected with SSL/TLS</td>
</tr>
</tbody>
</table>

The New GCN is built on Kafka

- GCN Classic provides three formats over *three custom protocols*
- GCN Classic over Kafka provides all three formats over *one standard protocol*: Apache Kafka
We invite you to join one of our three public Zoom webinars for an overview and tutorial on the new GCN.

**Important:** Follow one of these bit.ly links to register in advance and receive the actual Zoom meeting link.

August 1, 2022 12:00-13:00 UTC (best for Atlantic)  

August 1, 2022 20:00-21:00 UTC (best for Pacific)  
https://bit.ly/3IT7Qqc

August 2, 2022 04:00-05:00 UTC (best for Asia and Oceania):  