

NODE-RED SERVICES

Node-RED allows you to create functionally by wiring together flows of data between nodes using a browser. And it has gained tremendous popularity in the IOT space, by modelling bits of application functionality between IOT devices like sensors, cameras and wireless routers.

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area displays the 'Overview' tab for a specific Node-RED service instance. The instance is named 'node-red-opsmp-2022--cloudant-1666863043536' and is in an 'Active' state. The left sidebar contains a 'Manage' section with links to 'Service credentials', 'Plan', and 'Connections'. The main content area includes a 'Launch Dashboard' button and a 'Deployment details' section. The deployment details section contains the following information:

| Property | Value |
|-------------------------------|---|
| CRN | crn:v1:bluemix:public:cloudantnosqldb:in-che:a/175896da19c94b858ed37a94341c8d70:3c63db99-e5fa-46da-af58-e01abd18dd8c:: |
| Location | Chennai |
| External endpoint | https://bd5d8fe8-7334-428d-820e-269654958ceb-bluemix.cloudant.com |
| External endpoint (preferred) | https://bd5d8fe8-7334-428d-820e-269654958ceb-bluemix.cloudantnosqldb.appdomain.cloud |
| Authentication methods | IBM Cloud IAM and Cloudant credentials Migrate to IAM Only |

Below the deployment details, there is an 'Activity Tracker event types' section with a 'Management' dropdown menu.

This screenshot shows the same IBM Cloud console interface as the previous one, but with the 'Announcements' section expanded. The announcements section contains the following information:

Support for the Geospatial feature will end on January 31, 2023
At that point:

- Users will be unable to query `/DATABASE/_design/$DDOCS/_geo` endpoints. Requests to those endpoints will return a 404 Not Found response.
- Users will be able to define `st_indexes` in design documents but they will be ignored by the service. This ensures that existing design documents can be updated and replications containing geospatial indexes will not fail.
- Existing geo indexes will be deleted, and customers will no longer be billed for the space they consume.
- IBM Cloud support will no longer answer questions or assist with issues related to the Geospatial feature of the Cloudant service.

In many cases existing applications will fail if changes are not made to address the removal of this functionality prior to the end of support on January 31, 2023.
Please refer to the [Cloudant blog](#) for information on creating simple geospatial queries without using the Geospatial feature that is being removed from the Cloudant service.

The `_show`, `_list`, `_update` and `_rewrite` functions are deprecated
The following Cloudant features are deprecated:

- `_show` functions: used to modify the format of the response when requesting a single document from the database.