

Scheduled Maintenance

Last updated by | Lisa Liu | Nov 6, 2020 at 10:31 AM PST

Scheduled maintenance in Azure Database for PostgreSQL – Flexible server:

Introduction:

Azure Database for PostgreSQL - Flexible server performs periodic maintenance to keep your managed database secure, stable, and up-to-date. During maintenance, the server gets new features, updates, and patches.

- Cx can select the maintenance window to get there flexible server updated.
- Cx can pick up the maintenance window on a specific day or a time window.
- If cx don't specify, the system will pick times between 11pm and 7am in your server's region time.
- Cx can define different schedules for each flexible server in your Azure subscription.

How alerts are received:

- System will alert you five days before running any maintenance.
- Also, System will notify when maintenance started and completed successfully.

Important to know:

- Normally there are at least 30 days between successful scheduled maintenance events for a server.
- However, in case of a critical emergency update such as a severe vulnerability, the notification window could be shorter than five days. The critical update may be applied to the server even if a successful scheduled maintenance was performed in the last 30 days.

What to know on Notifications:

Notifications about upcoming scheduled maintenance can be:

- Emailed to a specific address
- Emailed to an Azure Resource Manager Role
- Sent in a text message (SMS) to mobile devices
- Pushed as a notification to an Azure app
- Delivered as a voice message

Steps taken:

1. Created a flex server.
2. Have a custom Schedule set (Tested with phone contact notification)

3. Create alert rule
4. Create actiongroup
5. Under Monitor Created a new rule to get notification receive on the phone.

Screen shots:

Home > PostgreSQLFlexibleServer_4d30edeff72e4aaf89b692cfc6f9bfbe > postgresflex

postgresflex | Maintenance

Azure Database for PostgreSQL flexible server

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Overview Activity log Access control (IAM) Tags Settings Compute + storage Networking Connection strings Server parameters Maintenance

Maintenance schedule

Select a preferred time for service updates to be applied. Outside of critical security updates, updates will be applied no more frequently than every 30 days. [Learn more](#)

Maintenance schedule

☒ System-managed schedule

☐ Custom schedule

Day of week System-managed

Start time 11:00 PM - 7:00 AM (region time) [Learn more about region geography](#)

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Maintenance schedule

Select a preferred time for service updates to be applied. Outside of critical security updates, updates will be applied no more frequently than every 30 days. [Learn more](#)

Maintenance schedule

☐ System-managed schedule

☒ Custom schedule

Day of week Sunday

Start time 00:00 - 01:00 (UTC)

The screenshot shows the 'Maintenance schedule' configuration for a PostgreSQL Flexible Server in the Azure portal. The 'Custom schedule' is selected, with the 'Day of week' set to 'Sunday' and the 'Start time' set to '00:00 - 01:00 (UTC)'. A calendar overlay is visible, showing the date '18' (October 18, 2020) selected. The time '12:21:12 AM' is displayed at the top of the calendar.

Observation from above screen shot:

- I choose custom schedule at 5:21 Am UTC on Sunday, so the day of the event falls on next Sunday.
- I have set up phone notification for testing.

The screenshot shows the 'Create action group' page in the Azure portal. The 'Notifications' tab is selected, and the 'Email/SMS message/Push/Voice' notification type is chosen. The 'server upgrade' action is selected. The 'Email/SMS message/Push/Voice' configuration panel is open, showing fields for 'Email', 'SMS' (checked), 'Country code', and 'Phone number'.

[Home](#) > [Monitor](#) >

Create alert rule

Rules management


Condition

Configure when the alert rule should trigger by selecting a signal and defining its logic.

Condition name

✓ Whenever the Activity Log has an event with Category='Administrative', Signal name='All Administrative operations'

Select condition

 You can define only one activity log signal per alert rule. To alert on more signals, create another alert rule.

Actions

Send notifications or invoke actions when the alert rule triggers, by selecting or creating a new action group. [Learn more](#)

Action group name


Contains actions

adminactiongroup

1 SMS message [Select action group](#)

Alert rule details

Provide details on your alert rule so that you can identify and manage it later.

Alert rule name * 

admin upgrade ✓

Description

admin upgrade ✓

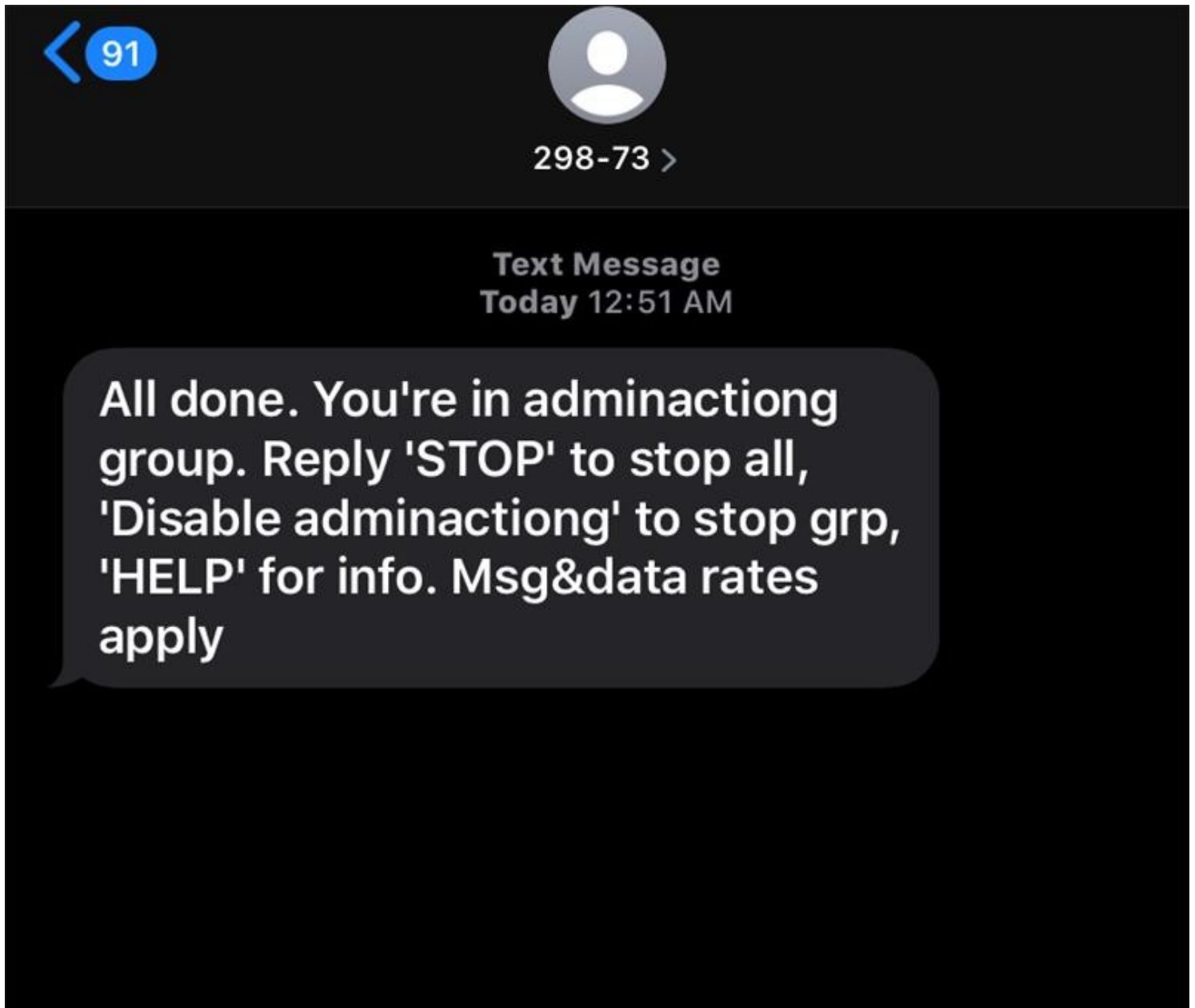
Save alert rule to resource group * 

rajani-postgres-resourcegroup ▼




Enable alert rule upon creation

[Create alert rule](#)

- As I put my schedule notifications to be received on my phone, I received below text in my phone. "adminactiongroup" is the one I created. So we expect cx will receive the same while they set up phone notification.



Public Doc Reference.-

- <https://docs.microsoft.com/en-us/azure/postgresql/flexible-server/concepts-maintenance> 
- <https://docs.microsoft.com/en-us/azure/service-health/service-notifications> 
- <https://docs.microsoft.com/en-us/azure/service-health/alerts-activity-log-service-notifications-portal> 

Root Cause Classification

- How to set the notifications on the postgres flexible server.

How good have you found this content?

