

What's new in Administration



Agenda

-
- Update Scheduling
 - AppInsights
 - Service-to-Service Authentication for Admin Center API
 - Cloud Migration Data Upgrade

Update Scheduling

Update Scheduling

Default update window on all environments and enabling “Run now” functionality for updates

The screenshot displays the Dynamics 365 Business Central admin center interface. The left sidebar contains navigation options: Environments, Notification Recipients, Telemetry, Reported Outages, Operations, and Capacity. The main content area shows the 'Environments > BCLaunchEvent2022' page. A notification at the top states: 'An update to version 20.5.45456.45681 is available. Updates will begin on 9/29/2022. You may schedule a date for the update on the Update action link.' The page is divided into two main sections: 'Details' and 'Version Management'.

Details

Name	Application Family	Country/region	Azure Region
BCLaunchEvent2022	Business Central	US	East US
Type	Application Insights Connection String	Security Group	
Production	Not Set (Define)	Not Set (Define)	
URL https://businesscentral.dynamics.com/41f34586-6cf2-4463-8321-2223db1c278e/BCLaunchEvent2022			

Version Management

Application Version	Platform Version	Available Update Version	Update Scheduling
20.4.44313.44365	20.4	20.5.45456.45681	Yes
Update will start on or after Sep 29, 2022 (Modify)	Update Window (UTC-06:00) (?) 09:00 PM - 04:00 AM (Modify)	Update Rollout State (?) Active	

Schedule environment update

BCLaunchEvent2022
Visit [Business Central Updates](#) to find out more about the update roll-out process.

Current Version: 20.4.44313.44365
Scheduled Version: 20.5.45456.45681
Current Scheduled Update Date: Not Set
Update Window: 05:00 AM - 12:00 PM (UTC+02:00)
Is the update scheduled to run outside the update window: No

Select a date to schedule the update of this environment. The update will occur within the time frame defined in the update window settings for the environment. Or you can choose to allow the update to run outside the update window.

Update Date: (UTC+02:00)
Sep 21, 2022

Allow the update to run outside the update window
☒ Yes

Schedule update **Cancel**

ⓘ The update must be scheduled between Sep 13, 2022 06:00 AM (UTC+02:00) and Oct 06, 2022 06:00 AM (UTC+02:00).

ⓘ If you set the update date to today and allow the update to run outside the update window defined for the environment, then the update may start immediately, and all users will be disconnected.

AppInsights

Environment Lifecycle Telemetry

Environment Operations emitted to AppInsights

The screenshot displays the Microsoft Azure AppInsights Logs interface. The left sidebar contains navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Investigate (Application map, Smart detection, Live metrics, Transaction search, Availability, Failures, Performance, Troubleshooting guides (preview)), Monitoring (Alerts, Metrics, Diagnostic settings, Logs, Workbooks). The main area shows a query editor with the following SQL query:

```
1 traces
2 where customDimensions.component == 'Dynamics 365 Business Central Control Plane'
3 order by timestamp asc
4 take 100
```

The query results are displayed in a table with columns: timestamp [UTC], message, severityLevel, itemType, and customDimensions. The results show various environment lifecycle events, including configuration key updates, start operation initiations, and updates scheduled for Production-pte.

timestamp [UTC]	message	severityLevel	itemType	customDimensions
> 9/15/2022, 2:04:02.604 PM	Environment configuration key ApplicationInsightsKey upda...	1	trace	("component":"Dynamics 365 Busine
> 9/15/2022, 2:04:02.948 PM	Environment start operation initiated: Production-s2s	1	trace	("component":"Dynamics 365 Busine
> 9/15/2022, 2:04:37.803 PM	Environment started successfully: Production-s2s	1	trace	("component":"Dynamics 365 Busine
> 9/15/2022, 2:09:59.927 PM	Environment configuration key ApplicationInsightsKey upda...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 2:10:00.011 PM	Environment start operation initiated: Production-pte	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 2:10:10.246 PM	Environment started successfully: Production-pte	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 2:13:42.719 PM	Environment update available for scheduling: Production-pt...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 2:13:42.787 PM	Environment update scheduled: Production-pte to version 2...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 2:14:28.637 PM	Environment update window was modified for environment:...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 3:08:21.758 PM	Environment update scheduled: Production-pte to version 2...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 3:11:04.019 PM	Environment update scheduled: Production-pte to version 2...	1	trace	("aadTenantId":"1633d4a2-6d53-425
> 9/15/2022, 3:11:20.710 PM	Environment update started: Production-pte to version 21.0	1	trace	("aadTenantId":"1633d4a2-6d53-425

The interface also shows a 'New Query 1*' button, a search bar, and a 'Run' button. The time range is set to 'Last 7 days'. The bottom status bar indicates '1s 72ms | Display time (UTC+00:00) | Query details | 1 - 12 of 100'.

AppInsights vs. Operations Page (1/2)

Event	Operations Page	AppInsights	Email/M365 MC
Environment Created	Yes	No	No
Update Available	No	Yes	Yes
Update Scheduled	Yes	Yes	Yes
Updates Postponed/Resumed	No	Yes	Yes
Update Started	Yes	Yes	No
Update Completed (Succeeded & Failed)	Yes	Yes	Yes
Environment Hotfix	Yes	Yes	No
Environment Restart	Yes	Yes	No
Environment Started/Stopped	No	Yes	No
Environment Copy	Yes	Yes	No
Environment Restore	Yes	Yes	No
Environment AAD Tenant Move	Yes	Yes	No
Cancel Session	No	Yes	No
Database Export	No	Yes	No
Environment Setting Change	Yes	Yes	No
Environment Deleted	Yes	Yes	No
Environment Rename	Yes	Yes	No

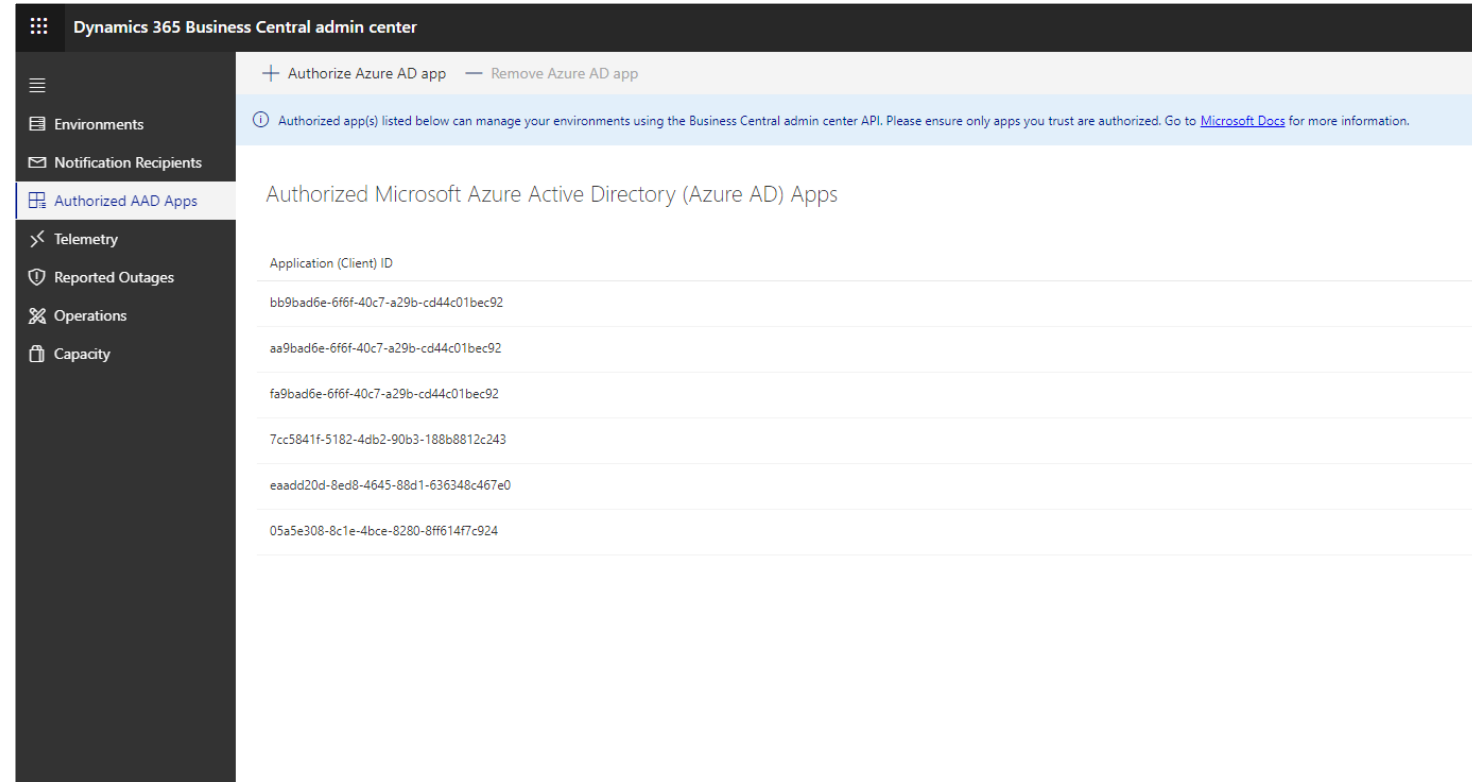
AppInsights vs. Operations Page (2/2)

Event	Operations Page	AppInsights	Email/M365 MC
AppSource App Install/Update Scheduling	Yes	Yes	No
AppSource App/PTE Install/Update Execution	Yes	Yes	No
AppSource App Uninstall Scheduling	Yes	Yes	No
AppSource App/PTE Uninstall Execution	No	No	No
AppSource App/PTE Dependency Install/Update Orchestration	No	Yes	No
PTE Incompatible with Future Version	No	No	Yes
Feature Change and Deprecation Announcements	No	No	2022 Wave 2

Service-to-Service (S2S) Authentication for Admin Center API

S2S Azure AD Apps Management in Admin Center

Use Azure AD apps to automate environment management using the Admin Center API



Other Scenarios

New customer onboarding

Automated environment provisioning and setup

Environment inventory reporting

Get an accurate inventory of environments, available updates, and installed apps

App update management

Get available AppSource app updates and automate update installation

CI/CD automation

Set up GitHub Actions to provision, test, and deprovision environments

Cloud Migration Data Upgrade

Cloud Migration Data Upgrade

Faster, more transparent,
easier, and more
resilient data upgrades

The screenshot displays the Dynamics 365 Business Central admin center interface. On the left, a navigation pane lists various system components: Environments, Notification Recipients, Authorized AAD Apps, Telemetry, Reported Outages, Operations (highlighted), and Capacity. The main content area is titled 'Environment Operations' and includes filters for 'All Environments', 'Last 7 Days', and date ranges from 'Sep 14, 2022' to 'Sep 21, 2022'. A table below shows a single operation: 'Production-Business Central' (Environment), 'Production' (Environment Type), 'Data upgrade' (Operation), with a status of 'Complete' and an invocation date of 'Sep 20, 2022'. On the right, the 'Operation Details' panel provides further information under the 'Production' heading, including the operation type ('Data upgrade'), Azure AD tenant ID, creation details, and a timeline of events from scheduling to completion.

Environment	Environment Type	Operation	Created by	Status	Invoked on
Production-Business Central	Production	Data upgrade		Complete	Sep 20, 2022

Operation Details

Production

Operation Type: Data upgrade

Azure AD tenant ID: e5c252b4-7d04-4b3c-a311-c3a976d98b42

Created by:

Operation ID: 8f5b81e6-3bbc-490e-a539-f771534d7698

Operation Details:

Status: Complete

Operation Time:

Scheduled on: Sep 20, 2022, 04:20:15 PM GMT+2

Started on: Sep 20, 2022, 04:20:16 PM GMT+2

Completed on: Sep 20, 2022, 04:20:52 PM GMT+2

Close

Cloud Migration Data Upgrade

Faster

10x faster than in previous releases

More transparent

Follow progress and get detailed error messages in the admin center and AppInsights

Easier to use

Data upgrade runs extension upgrade codeunits and has better handling of obsolete and deleted fields

More resilient

Environments are inaccessible during data upgrade to avoid conflicts

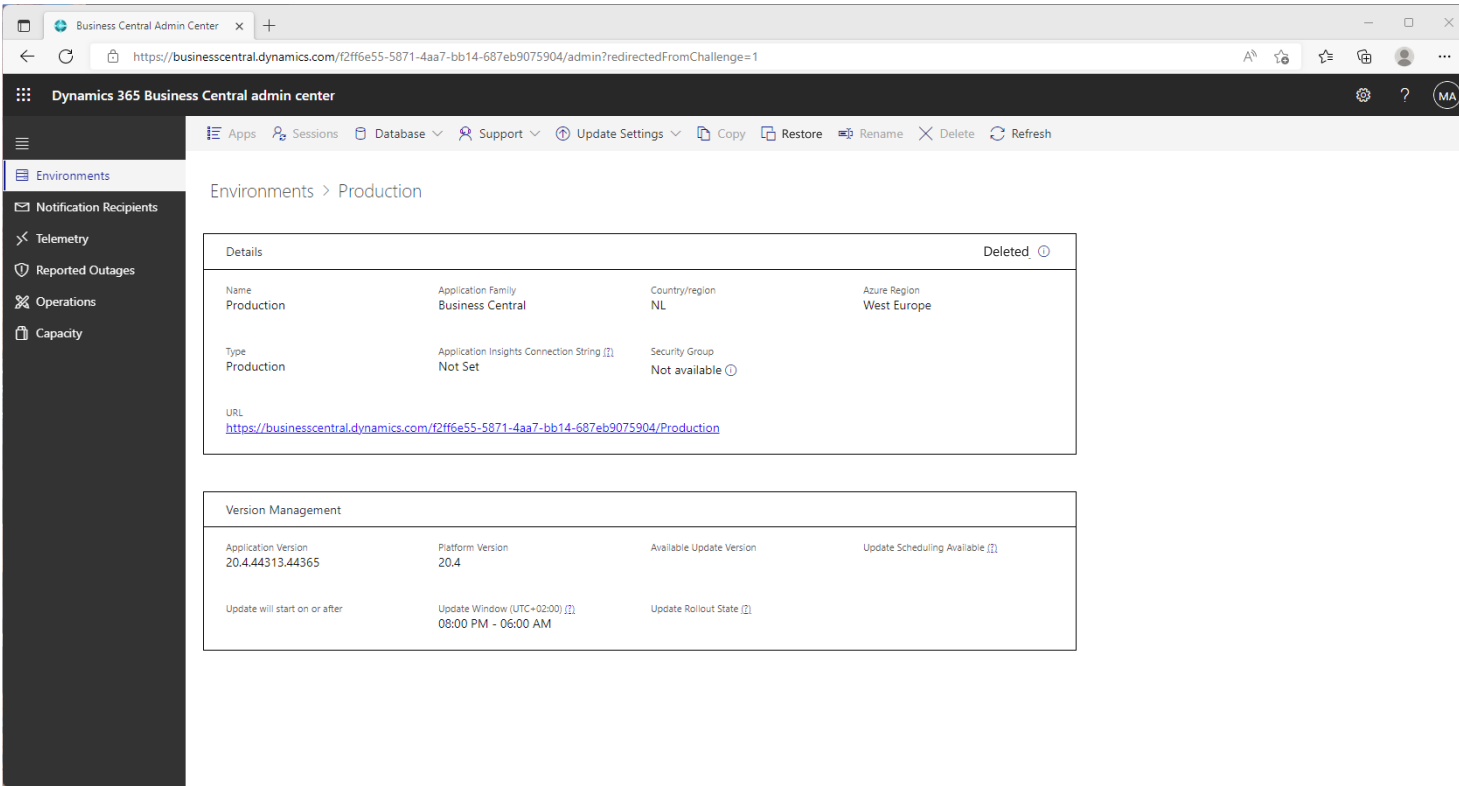
Service updates will not roll out during data upgrade

Environment will be restored to state just before data upgrade in case of errors

Also in 2022 wave 2

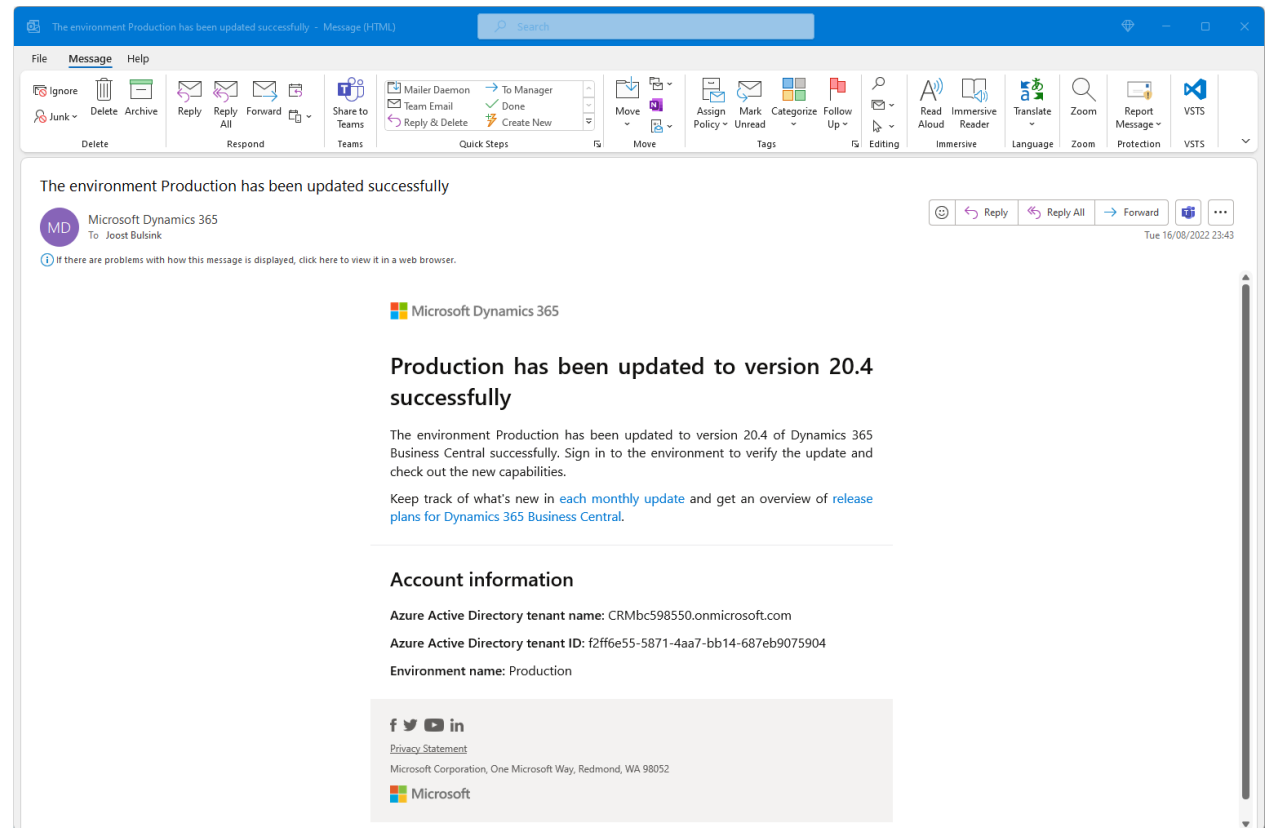
Restore Deleted Environments

Deleted environments
can be restored from
the Admin Center for
seven days



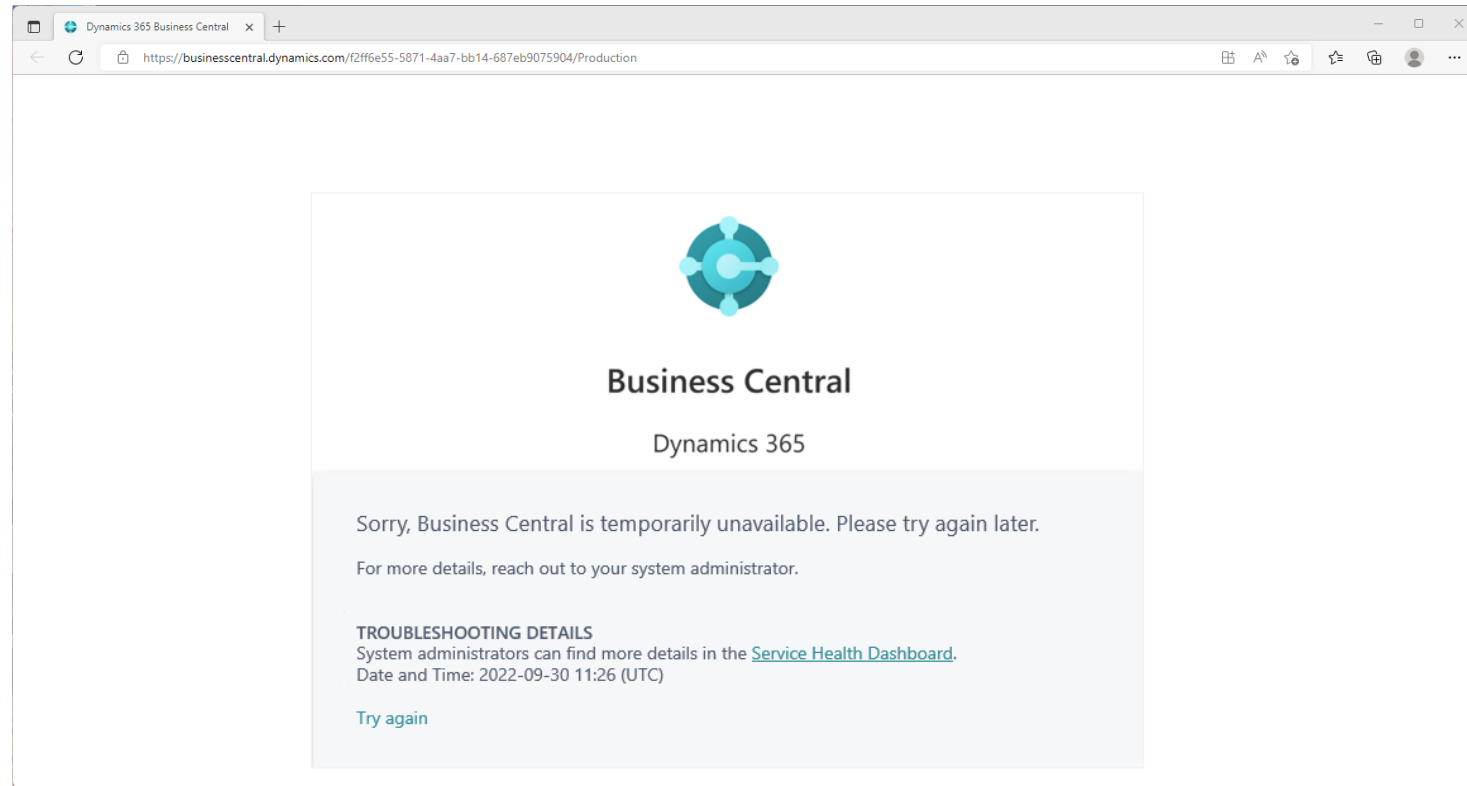
Communication

New email templates
and communication
scenarios,
communication through
M365 Message Center



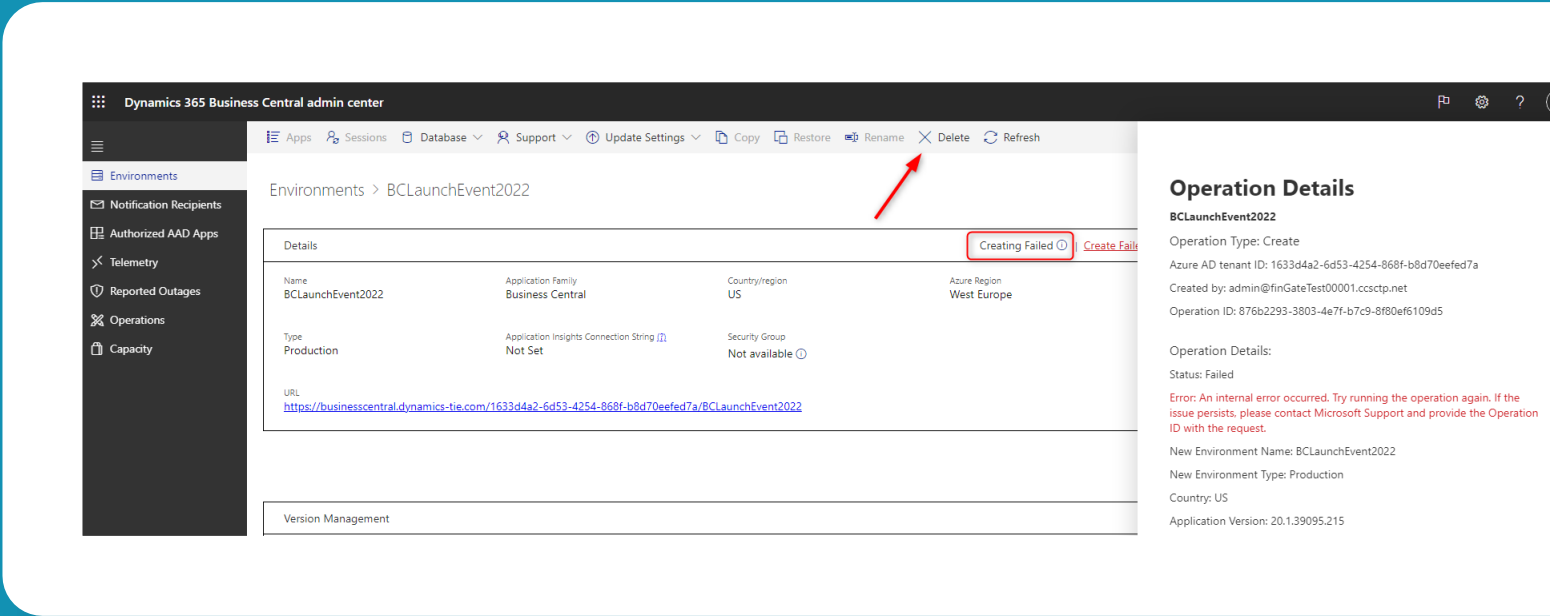
Service interruption visibility

Proactive warnings on login screen and Admin Center during service interruptions



Reducing 'Not Ready' Environments

Delete environments that failed to create or delete in order to retry without engaging support



Thank you

