



#bcopendiscussion

65'TH

20-11-2021

**Singleton Pattern.
API With Flow filter.
Q&A.
Open Discussion.**





WHERE DO I REGISTER?

Register Here

<http://bit.ly/msdyn365bcopendiscussion>

Meeting Attendees

If you would like to be default attendee for future meeting, please drop your name & Email address in chat during meeting.

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SAURAV DHYANI - #MSDYNNNAV & #MSDYN365BC

Hi All,

Welcome to [#bcopendiscussion](#) registration page.

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We all are glad to see you attending our next meeting. Its a great place to discuss about business central.

It's free for all. No Sponsor's! & No Marketing.

- 25 Meeting in 2020 with 522 Registered and 207 Attendees.
- A Total of 80 Questions were discussed in 2020.

We will be happy to add more presenters. If you want to be the presenter please let us know.

Next Meeting Details - 22/May/21

- [Link To Register.](#)
- Register Link Expires - 21 May 2021 (03:00 PM IST)
- Topic - Open Discussion.
- Time - 09:30 PM to 10:30 PM (IST)
- Questions - [Add Here.](#)



WHAT'S NEW?



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DYNAMICSCon

MARCH 15TH - 17TH



CALLING ALL MICROSOFT BUSINESS APPLICATION PROFESSIONALS FOR OUR 4TH VIRTUAL EVENT!

SUBMISSION RULES

- For authentication purposes, prospective speakers must submit their own session entries. Do not submit on behalf of others.
- Only 3 submissions are allowed per speaker for the event
- Only 1 session for each speaker will be allowed on the final DynamicsCon agenda after voting concludes
- Only 2 sessions for each partner organization, per track will be allowed on the final DynamicsCon Agenda after voting concludes
- By submitting a session for voting **you are committing to a 40 OR 20-minute content & video recording scheduled with the DynamicsCon team during the month of February** and to attending the session's live video Q&A during the broadcast in March. You will be responsible for filling 50 OR 30 minutes of broadcast time total if your session is voted onto the DynamicsCon agenda.
- Your content must be educational in nature and not promote or rely upon solutions other than the core Microsoft Business Applications capabilities. Other solutions may be referenced but cannot be a primary focus of the content.
- Please check all the "Badges" which are applicable to each speaker

SUBMITTED SESSIONS

Below are session ideas submitted by our community members. Submissions will be accepted through January 7, 2022. Then January 10-19, all community members will be able to vote for their favorite sessions. The top voted sessions will build the final conference agenda. To offer a variety of learning, we will reserve 20% of sessions for Rookie Presenters and our Advisory Committee will select advanced session content.



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SINGLETON PATTERN.

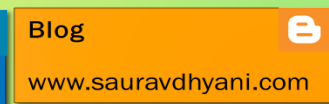
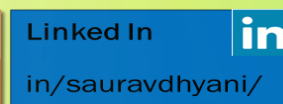
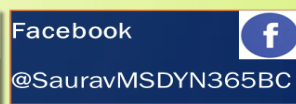
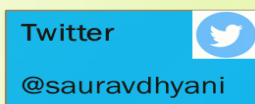
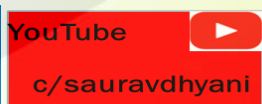


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In software engineering, the singleton pattern is a software design pattern that restricts the instantiation of a class to one "single" instance.

The generic object-oriented Singleton pattern permits instantiation of a limited number n of objects (where usually $n=1$, but it can have other positive values too).

However, in Dynamics NAV, the Singleton patterns are limited: n is always 1.



IMPLEMENT SINGLETON PATTERN.



- 1. Define:** Create a Setup Table with Dummy a Primary Key. Typically, with type Code=10. Then add fields to define the global rules.
- 2. Instantiate:** Place the instantiation code in a central place where it is guaranteed to be invoked before the functionality uses it. This is done in Codeunit 2.
- 3. Enforce:** Give the user access to the record so that he can change the default setup, by creating a Card page. On the page, enforce the singleton to prevent deletion of the record or insertion of a new record.
- 4. Use:** Access the rule in code and use it.

```
AL Company Information.dal X app.json
580
581
582 keys
583 {
584     key(Key1; "Primary Key")
585     {
586         Clustered = true;
587     }
588 }
```

```
Company-Initialize.dal X app.json
584
585 with CompanyInfo do
586     if not FindFirst then begin
587         Init;
588         "Created DateTime" := CurrentDateTime;
589         Insert;
590     end;
```

```
AL Company Information.dal X
1 Page 1 "Company Information"
2 {
3     AdditionalSearchTerms = 'ch
4     ApplicationArea = Basic, Su
5     Caption = 'Company Informat
6     DeleteAllowed = false;
7     InsertAllowed = false;
8     PageType = Card;
```

```
AL Purchase - Invoice.dal X
835 trigger OnInitReport()
836 begin
837     GLSetup.Get();
838     CompanyInfo.Get();
839     OnAfterInitReport;
840 end;
```

API TO GET ITEM INVENTORY FOR A LOCATION.



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- ☐ Standard API does not allow to have flow filters.
- ☐ Create a Custom API Page.
- ☐ Publish the Extension.
- ☐ Test the Location filter API.

OTHER QUESTIONS.

Question 1 - (Shahid Ullah) - How to access BC web client by Names instead of IP address.

Question 2 - (Balaji C) - Is it possible to write data into a Nav/BC application using ODATA Web services that the Base Product offers?

Question 3 - (Ankit) - I created a Codeunit in that I have done a calculation related to the sales order after the calculation I call report that is
(Name := Batch Post Sales Orders, ID := 296) and
I also created a EventSubscriber
[EventSubscriber(ObjectType::Codeunit, Codeunit::"Release Sales Document", 'OnBeforeReleaseSalesDoc', '', false, false)]
and pass the Error if the calculation not matched

Now what I am doing I created a job queue for that and in the job queue log entries the error comes in error message field, but the status of that job queue is also become an error, and, on every day, I must start the job queue and i want that status should always be ready condition what can I do for that.





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Thank You!

See You Next Meeting.

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