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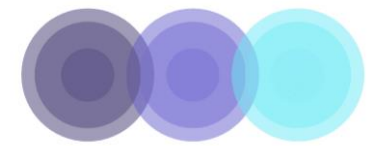


#bcoappendiscussion

30 January 2021

## Preprocessor Directives in AL

Saurav Dhyani  
<https://www.sauravdhyani.com/>



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# Where Do I Register?

- Register Here –

<https://www.sauravdhyani.com/p/bcopendiscussion.html>

- 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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## #bcopendiscussion

Hi All,

Welcome to #bcopendiscussion registration page.

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 - 23/Jan/21**

- [Link To Register.](#)
- Register Link Expires - **22 Jan 2021 (03:00 PM IST)**
- Topic - General Discussion.
- Time - 09:30 PM to 10:30 PM (IST)
- [Questions - Add Here.](#)
- [Want To Present - Add Details Here](#)

All the Recording will be available in YouTube channel.

Hope to see you in next meeting.

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# What are Preprocessor Directives?

- Preprocessor directives are a block of statements that are handled before the actual compilation process starts. They give some instructions to the compiler on the compilation process, error or warning handling etc.
- Preprocessor directives begin with a hash symbol (#)
- Preprocessor directives do not contain the semicolon at the end as they are not statements.
- They are instead terminated by a new line.



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# Why Preprocessor Directives?

- Preprocessor directives can be used to make –
  - Suppress warnings
  - Code conditional
  - Enable expand and collapse in code.
- Preprocessor directives can be divided into the following groups.
  - Pragmas
  - Regions
  - Conditional directives



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# Pragmas Directive?

The `#pragma` directive gives the compiler special instructions for the compilation of the file in which it appears.

AL supports the following pragma instructions:

Pragma Warning

Pragma ImplicitWith

Syntax –

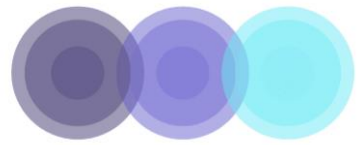
`#pragma <> disable`

`#pragma <> restore`



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# Demo – Pragmas Directive



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# Region Directive?

- The `#region` directive is used to mark a block of code that you can expand or collapse. This can, for example, be useful for larger files for better readability.
- Syntax
  - `#region <name>`
  - `#endregion`



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# Demo – Region Directive





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# Conditional Directive?

- Conditional Compilation.
- Requires – Symbol.
  - A Symbol return true/false.
  - Symbol can be defined beginning of a source file.
  - Scope of the specific symbol is the file that it is defined within.
  - Symbol can be global for the extension.

|         |                     |
|---------|---------------------|
| #define | Defines a symbol    |
| #undef  | Undefines a symbol. |



# AL Conditional Directive?

| Conditional preprocessor directive | Description   |
|------------------------------------|---|
| #if                                | Specifies the beginning of a conditional clause.                |
| #else                              | Specifies a compound conditional clause.                        |
| #elif                              | Combines else and if  |
| #endif                             | Specifies the end of a conditional clause that begins with #if. |



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# Demo – Conditional Directive



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# THANK YOU!

Saurav Dhyani

Website - [www.sauravdhyani.com](http://www.sauravdhyani.com)

Email - [postsaurav@gmail.com](mailto:postsaurav@gmail.com)

Facebook - [@SauravMSDYN365BC](https://www.facebook.com/SauravMSDYN365BC)

Twitter - [@SauravDhyani](https://twitter.com/SauravDhyani)

YouTube - [SauravDhyani](https://www.youtube.com/SauravDhyani)