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Here's what you need to know to prepare.



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January 23, 2014 | 3 minute read

BTE – Business transaction events “demystified”.

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Business transaction events (BTE) are one of the least popular enhancement techniques according to me. One of the reasons could be lack of awareness of exact functionality of how BTE's work.

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My attempt here through this blog is to spread awareness among SAP practitioners who are not aware or partially aware of BTE functionality.

What makes a BTE? 😞

BTE is one of the many enhancements techniques available in ABAP developer's arsenal 🐱 to meet various business needs.

A BTE has a predefined interface which helps to add additional functionality through function module defined in BTE customizing. The BTE is triggered by the SAP with a call to function `OPEN_FI_PERFORM_` or `OUTBOUND_CALL_` which checks for any active BTE's in customizing.

Popular misconception that many have is that the BTE functionality/scope is limited to FICO but its not 😎 ...BTE can also be effectively used for requirements in OTC, PTP, APO, CRM and IS.

There are two types of interface available for implementing BTE's:

- a) Publish and Subscribe Interface
- b) Process Interface

Publish & Subscribe interfaces (P&S)

These generally refer to events as documents being entered into SAP which needs to be sent to legacy systems:

By Muhammed Riyas Apr 23, 2012

[Adding fields to table BKPF and updating in posting transactions.](#)

By Francisco Perfecto Romero Barajas Mar 06, 2015

[How to find a BTE \(Business Transaction Events\).](#)

By V S BHARGAV MYLAVARAPU Jul 16, 2015

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By Ramesh Jasti Feb 27, 2014

[Find Event For BTE](#)

By Former Member Mar 01, 2014

[suitable BTEs for REGUP and VBPA tables?](#)

By Former Member Jul 21, 2008

- Master record was created, changed, or blocked
- Document was entered, parked, changed, or reversed
- Items were cleared or reset

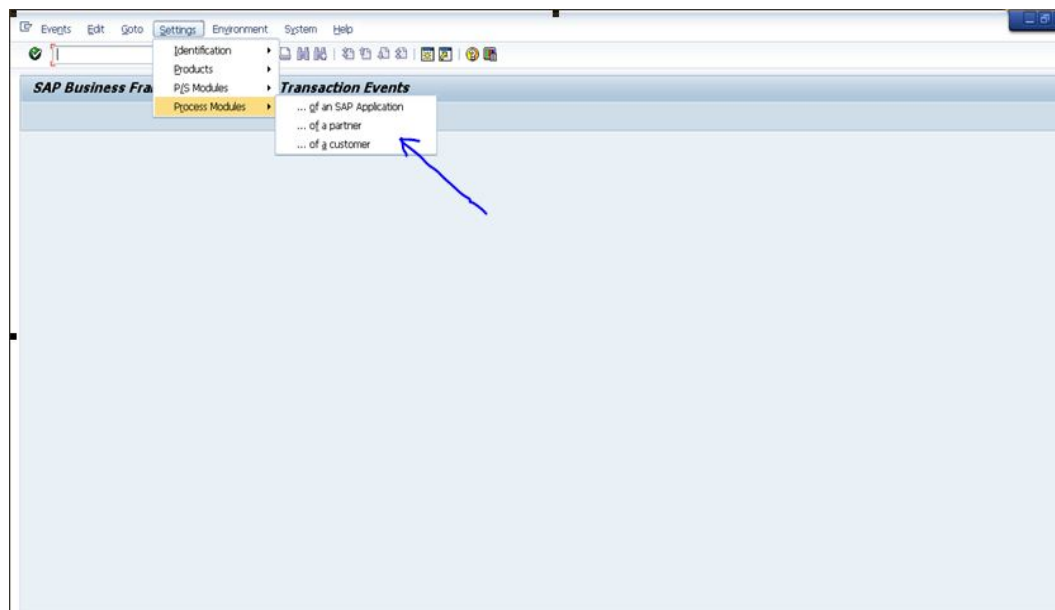
What additional functionality can we achieve for above events is below:

- Starting a workflow
- Sending changes to legacy systems.

Process Interface

These interfaces are used to control a business process differently than the way in which it is handled in the standard R/3 System. They intervene in the standard process, and return data to the SAP application.

Using this functionality we can for example mail remittance advices to Vendors.



But what are these options we observe above? What exactly do they mean and which one would I need to choose? 😞

Here is the answer

The option ‘of an SAP application’ is mostly used by SAP for country specific enhancements.

The option ‘of a Partner’ is intended for the use of companies which write additional products to enhance the standard SAP and sell this software. They should have a partner-namespace (something `/***/`) registered by SAP. So all the functions in these enhancements should begin with that `/***/`.

The option ‘of a Customer’ is intended for Customer-specific development – all functions used there should be named according to the Y/Z-namespace.

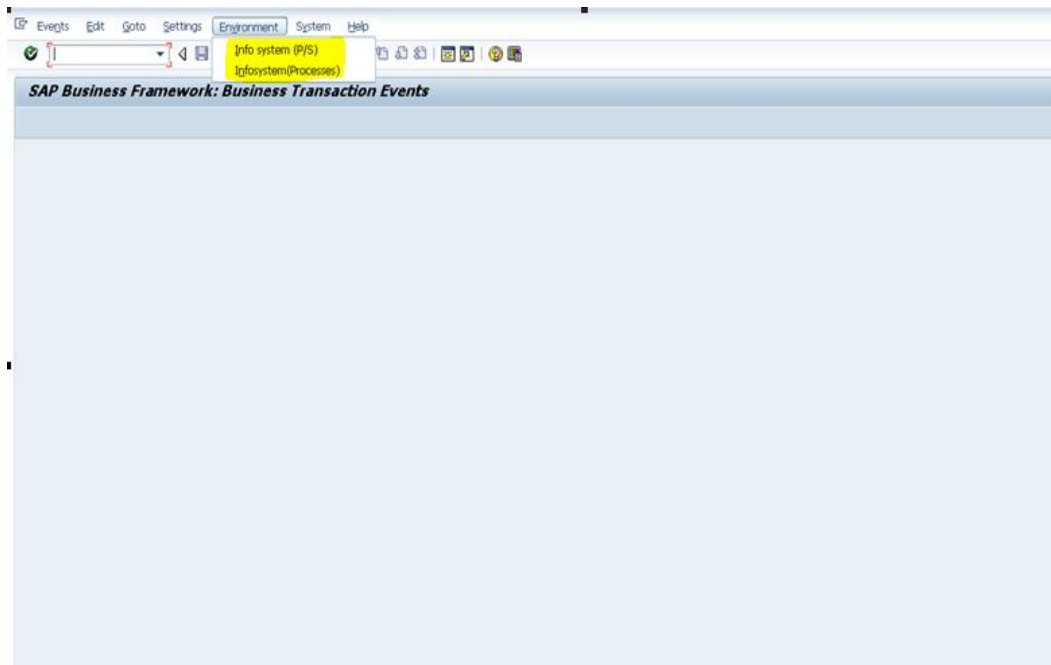
Most of developer community would use ‘of a Customer’ option. 

Sound’s interesting?? 😊

But how do I find a BTE?

OK lets get to business now 😊

- Use transaction FIBF menu Environment->Infosystem(Processes) to get a list of BTE's available. Use the Documentation button to see the documentation for each BTE.



Business Transaction Events: Process Interfaces

Act. comp. Sample function module Interface **Documentation**

Selected BTEs

Process	Text
00001020	DUNNING: Following reading, prior to printing
00001030	DUNNING: Determine form
00001040	DUNNING: Determine output device
00001050	DUNNING: Read additional fields for MHNK
00001051	DUNNING: Read additional fields for MHND (BSID)
00001052	DUNNING: Read additional fields for MHND (BSIK)
00001053	DUNNING: Set one time account
00001060	DUNNING: Dunning check MHND
00001061	DUNNING: Delete indicator MHND
00001070	DUNNING: Interest determination MHND
00001071	DUNNING: Calculate charges (MHNK)
00001110	DOCUMENT POSTING: Check on invoice duplication
00001120	DOCUMENT POSTING: Field substitution header/items
00001130	POST DOCUMENT: SAP-internal field substitution
00001140	Supplement FI document -> only to be used by SAP
00001150	OPEN FI EXIT 00001150: Get Offsetting Account
00001160	POST RESIDUAL ITEMS: Transfer Fields from Invoice

(or)

- Search the source code for “OPEN_FI_PERFORM” or “OUTBOUND_CALL_”

Ok I got how to search the BTE now, but how to implement it? 😞

Patience brother 😎 here it is:

Steps to be followed:

1. Search the BTE relevant for your requirement using FIBF transaction.
2. Copy the sample function module for that BTE into your own 'Z' function module and put a break point.
3. Goto Products-> Processes(customer) create a new entry and enter the product name description and RFC destination if applicable. Then activate the product by clicking on checkbox 'A'.
4. The next step is to link the function module and the event using the product created. Goto Process Modules -> of a customer and create entry enter the event and the function module for Product created in step 3.
5. Now its testing time 😊 Go to the transaction for which you have created BTE and execute and debugger would stop at break point in 'Z' function module which you have created.

The transaction codes to be explored for BTE are below:

BERE Business Event Repository

BERP Business Processes

BF31 Application modules per Event

BF32 Partner Modules per Event

BF34 Customer Modules per Event

BF41 Application Modules per Process

BF42 Partner Modules per Process

BF44 Customer Modules per Process

Hope you had enjoyed reading this blog 😊



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2 Comments

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Bhagaban Pradhan

May 24, 2017 at 5:43 pm

nice document. may i request can you share some more scenarios related BTE. I m new for this area.

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Brice Lagaly

March 12, 2021 at 10:59 am

Thank you very much, nice sharing !

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