

# Overview

Discern Expert provides the ability to perform both asynchronous and synchronous processing.

## Asynchronous Events

With asynchronous processing, the task is performed in the background without interaction from the user. For example, when an order is placed, at the point where the row is written to the ORDERS table, a rule can be designed to evoke using the ORDER\_EVENT. This is an asynchronous event. It is past the point of stopping the process; the order has already been placed. An action can take place behind the scenes such as placing another order and send an informational message using Discern Notify of any important notices.

Asynchronous Events -- server: EKS\_ASYNCH\_(03 or 02)

- ALLERGY\_EVENT
- BB\_RESULT\_EVENT
- CLINICAL\_EVENT
- COLLECTION\_EVENT
- DIAGNOSIS\_EVENT
- EXPERT\_EVENT
- ORDER\_EVENT
- PATIENT\_EVENT
- PROBLEM\_EVENT
- RESULT\_EVENT

## Synchronous Events

Synchronous processing allows the interaction between the user and the system to occur in real time, with the ability to require response to some of the system requests in order to proceed to the next screen. This event stops processing until the user interacts and supplies information. It is an interactive event. For example, when an order is placed, a rule can be designed to evoke before the order is actually written to ORDERS table using SIGNORDER. This event allows an interactive message to appear in which the user must respond, for example, maybe the message is indicating that the order must be modified to select a different order sentence and asking if the user wants to continue to place the order with modification or to cancel and place the new order.

Synchronous Events -- server: CPM.EKS (SCP 175)

- ADDTOSCRATCHPAD
- CLOSE\_CHART
- MEDCHARTACTIVATE
- OPEN\_CHART
- POWERPLANFLEX
- SIGNORDER

## Alerts

There are two types of Alert Actions. There is a synchronous alert which displays an interactive message. The process is stopped until the user interacts with the message. This type of an alert is achieved using the action templates that start with EKS\_ALERT\*.

There is an asynchronous alert that can be used to send an informational message only using the template EKS\_NOTIFY. This message is not interactive and is only a notice that can be acknowledged. It cannot be used for any further processing. To use EKS\_NOTIFY, there are certain configuration requirements that must be setup.

View the following help topics in the Discern Notify help file for further information:

Tasks->Enabling Discern Notification

Tasks->Configuring Discern Notification

Tasks->Setting the Display Options

Alert Actions

*The synchronous alerts can only be used with the synchronous events.*

- EKS\_ALERT\_\* (synchronous)
- DiscernNotify.exe can be used to send alerts from asynchronous events.
- EKS\_NOTIFY (asynchronous)