

### DCM zSeries Introduction:

DCM zSeries provides configurable services to capture and process all system, application and user-definable console messages generated from events that occur on the IBM Mainframe. DCM zSeries can be configured to automatically respond to the message in addition to providing robust message delivery to the monitoring system. DCM zSeries can be configured to access information from a variety of additional system and application sources, extracting information on a cyclical basis, applying configurable rules to the data to provide events into Netcool@.

There are two monitors provided with DCM zSeries: zSeries remote console and zSeries TN3270. The two monitors allow mainframe data acquisition regardless of whether there is TCP/IP connectivity.

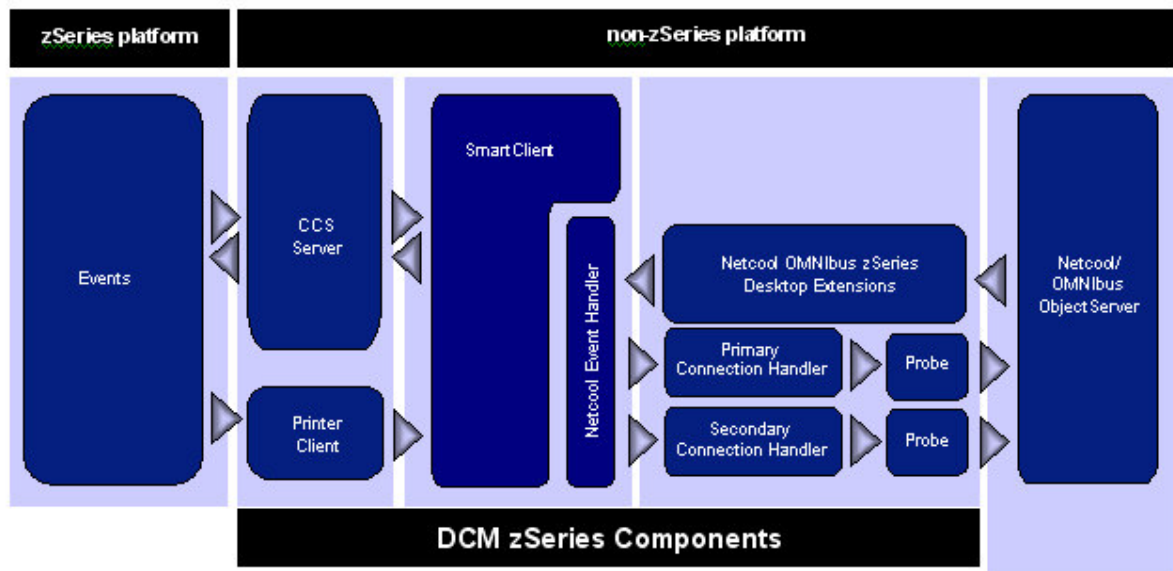
### DCM zSeries Remote Console:

The zSeries remote console monitor is designed to acquire event data by connecting to the IBM mainframe as a remote console or printer port. You use the zSeries remote console monitor to collect critical information that is delivered to the console. You may need additional hardware to enable the zSeries remote console to operate. Supported hardware includes: Visara 25L, IDG 9074, IBM 2074, IBM 3174 and IBM OSA.

The data stream of the Console is processed by Console Consolidation Server (CCS) software that converts it into individual messages, including conversion of multi-line messages into a single message and attribute/extended attribute bytes. In addition to the high performance console message capture, the CCS also provides a command line and function key interface back to the Console.

SmartClient software provides a management and consolidation layer to CCS and provides powerful automation, configuration and operator viewing facilities.

Configuration of Console messages is handled by standard Netcool Rules File processing or in SmartClient.



### DCM zSeries TN3270:

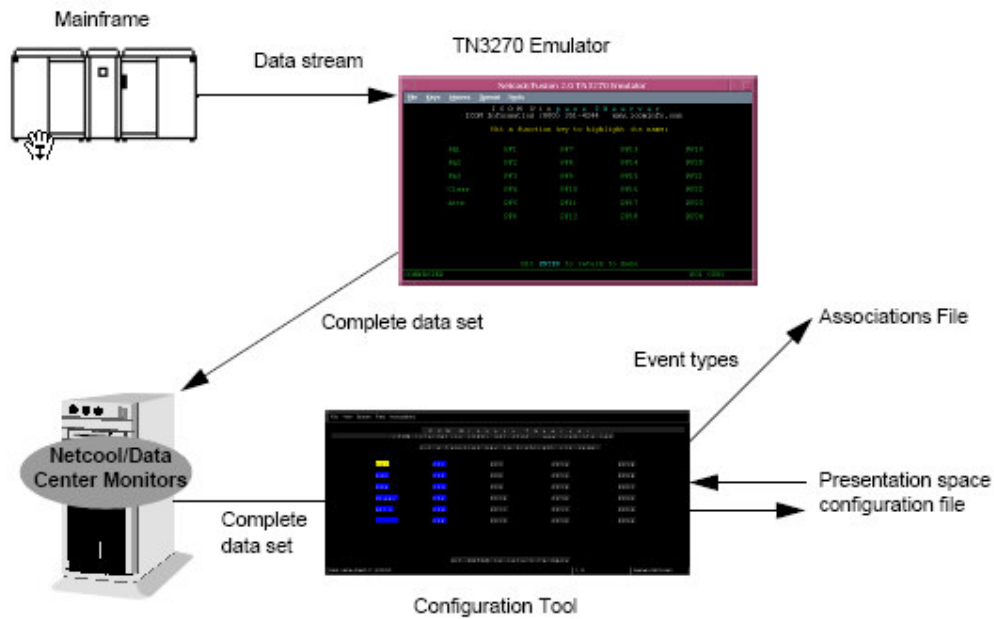
The zSeries TN3270 monitor is designed to acquire event data from 3270 sessions. You use the zSeries TN3270 monitor to establish a 3270 session to the mainframe management application from which event data is to be obtained. You do not need any additional hardware.

The data stream of the 3270 session is intelligently interpreted by dedicated software and is made available to zSeries TN3270 as a presentation space. The presentation space can then be configured to convert the displayable information contained therein into events. This highly configurable identification process caters for scrollable screens, static data and rows or columns. Each element of the event is passed to Netcool with all attribute and extended attribute byte information.

Macros can be defined that navigate the 3270 session to the required source screen. These macros can also be dynamic, reacting to the contents of a screen so that multiple screens can be accessed to produce multiple events in one cycle. Screen heart beating, timeouts and refresh macros are used to maintain integrity or report failed navigations.

Commands can be issued back to the zSeries TN3270 session via Netcool Automations directly in response to events. This adds a powerful automation facility.

All of the zSeries TN3270 field mapping configurations are made using a GUI that displays the presentation space. Standard Netcool Rules File processing is then applied to the event.



## Summary:

### zSeries Remote Console:

- High-performance solution for capturing raw mainframe console messages from LU2 sessions
- Can also access LU1 and LU3 printer ports
- All messages are formatted into Netcool events, including reformatting Multi-line messages into a single event
- SmartClient provides a powerful automation and configuration capability additional to standard Rules File processing

### zSeries TN3270:

- Converts mainframe host application data into an event stream suitable for delivery to Netcool
- Highly configurable
- Caters for scrolling displays
- Dynamic Menu navigation

### zSeries Command Processor:

- Can run any Mainframe command
- Automated or Manual invocation
- Supports multiple concurrent access
- Built-in security