

Enhanced Action Patterns - Count Event Queries

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Contents

Count Event Queries

- Counting BA events in the last 60 minutes
- Counting Bypass events in the last 72 hours
- Looking for test signal (generator test) in the last 30 days
- Counting the Network troubles in the last 60 minutes
- Looking if there are any AC Trouble (AT)
- Check for contacts made in the last 7 days
- Looking for Communication Failures on the LTT or LTC

Count Event Queries

Counting BA events in the last 60 minutes

Customers use this query to make a decision based on the number of burglar alarms received within a given period. They will often use the Select and Case to decide what to do with one, two, and more than two events.

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE="BA2" AND EVTYPE = 1 AND ZONE={ZN} AND SERIALNO={ME} AND LOGDATE >= DATEADD(MINUTE,-60,GETUTCDATE()))  
+  
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE="BA2" AND EVTYPE = 1 AND ZONE={ZN} AND SERIALNO={ME} AND LOGDATE >= DATEADD(MINUTE,-60,GETUTCDATE()))
```

Counting Bypass Events in the last 72 hours

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE="*B" AND EVTYPE in (1, 0, 9) AND SERIALNO={ME} AND LOGDATE >= DATEADD(HH,-72,GETUTCDATE()))  
+
```

```
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE="*B" AND EVTYPE in (1, 0, 9) AND SERIALNO={ME} AND LOGDATE >=
DATEADD(HH,-72,GETUTCDATE()))
```

Looking for test signal (generator test) in the last 30 days

This is used most often with a Reminder and Post processing actions.

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE="RP" AND EVTYPE = 0 AND SERIALNO={ME} AND LOGDATE >=
DATEADD(DAY,-30,GETUTCDATE()))
+
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE="RP" AND EVTYPE = 0 AND SERIALNO={ME} AND LOGDATE >=
DATEADD(DAY,-30,GETUTCDATE()))
```

Counting the Network troubles in the last 60 minutes

This is used most often with post processing and CanCancel to make sure Network Troubles aren't running away.

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE="NT" AND EVTYPE IN (0, 1, 9) AND SERIALNO={ME} AND LOGDATE
>= DATEADD(MINUTE,-60,GETUTCDATE()))
+
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE="NT" AND EVTYPE IN (0, 1, 9) AND SERIALNO={ME} AND LOGDATE >=
DATEADD(MINUTE,-60,GETUTCDATE()))
```

Looking at if there is a AC Trouble (AT)

This is most often used on a Low Battery event (YT) to see if that low battery is in proximity to an AC Trouble event. This can imply that the system is about to fail.

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE = "AT" AND EVTYPE = 1 AND SERIALNO={ME} AND
LOGDATE>=DATEADD(HH,-4, "{DU}"))
+
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE = "AT" AND EVTYPE = 1 AND SERIALNO={ME} AND
LOGDATE>=DATEADD(HH,-4, "{DU}"))
```

Check for contacts made in the last 7 days

This is most often used with a Late to Test where the query looks at the CLOG Contacts and if the contact was successful.

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE SERIALNO={ME} AND STCODE="*LT" AND EVTYPE = 1 AND
LOGDATE>=DATEADD(DD,-7,"{DU}") AND EVTYPE=3 AND QUAL=1 AND QUAL7=1)
```

+

```
(SELECT COUNT(*) FROM CLOG{1} WHERE SERIALNO={ME} AND STCODE="*LT" AND EVTYPE = 1 AND  
LOGDATE>=DATEADD(DD,-7,"{DU}") AND EVTYPE=3 AND QUAL=1 AND QUAL7=1)
```

Looking for Communications Failures on a Late to Test or Late to Close

```
SELECT (SELECT COUNT(*) FROM CLOG{0} WHERE STCODE="YC" AND EVTYPE = 1 AND SERIALNO={ME} AND LOGDATE >=  
DATEADD(HH,-24,GETUTCDATE()))
```

+

```
(SELECT COUNT(*) FROM CLOG{1} WHERE STCODE="YC" AND EVTYPE = 1 AND SERIALNO={ME} AND LOGDATE >=  
DATEADD(HH,-24,GETUTCDATE()))))
```