start

Processor

+ messageType
+ domainName
+ controlPanel
+ startTime

Message

scan domain queue

all msg's 'get'
by consumer

ScanDomain
Consumer

PreScan
Operations

domain
found?

mark domain
'deleted'

DasientDB

yes

+ messagetype
+ domain name
+ control panel
+ start time
+ request type (top-level-scan)
+ host ip
+ webserver

scan domain
augmented queue

Augmented
Consumer

Dasient

Ack?

ignored msg

*note : ack msg's are not
consumed by the MDB,
Dasient Interface Servlet
consumes msg's after
result is returned

persist 'ACK'
ScanHistory
entity

'put' msg to
queue, with
correlation id =
request id

+ requestId
+ statusURL
+ messageType

DasientDB

persist
'IGNORED'
ScanHistory
entity

create Process
Scan Msg

DasientDB

+ messageType
+ domainName
+ controlPanel
+ startTime

DasientAckExpiry
Consumer

update scanHistory
status = 'EXPIRED'

Email

'reaper' process consumes expired messages

dasient ack
expiry queue

timeToLive = 5 mins

dasient interface
servlet

'get' by msg
selector =
request id

dasient ack queue

'put' msg to queue,
with correlation id =
request id

result from dasient includes:
+request id
+ completed At
+ status
+ hostname
+ on blacklist
+ scanned urls
+ malicious urls
+ snippets

Dasient

+ messagetype
+ domain name
+ control panel
+ start time
+ webserver
+ request type (top-level-scan)
+ host ip
+ requestId
+ jsonPayload

Message

dasient result
queue

+ messagetype
+ domain name
+ control panel
+ start time
+ webserver
+ request type (top-level-scan)
+ host ip
+ requestId
+ jsonPayload
+ infectionId

Message

Dasient Result
Consumer

persist
'COMPLETED'
ScanHistory
entity

store
scanHistory

DasientDB

+ messagetype
+ domain name
+ control panel
+ start time
+ webserver
+ request type (top-level-scan)
+ host ip
+ requestId
+ jsonPayload
+ infectionId

Message

process scan
queue

all msg's 'get'
by consumer

PostScan
Consumer

PostScan
Operations

store

DasientDB

DasientDB
(clean message)

pull available
work

cleaning agent

cleaning script

send
results

cleaning result
servlet

update
clean
request

+ messagetype
+ domain name
+ control panel
+ start time
+ webserver
+ request type (top-level-scan)
+ host ip
+ requestId
+ jsonPayload
+ infectionId

Message

domain cleaned
queue

PostClean
Consumer

PostClean
Operations

end

store

DasientDB

Dasient Integration Flow

Processor Flow

```
                          ( start )
                              │
                              ▼
                   ┌──────────────────┐        ┌──────────────┐
                   │      Quartz       │◄──────►│   Property    │
                   │  Scheduled Job    │        │     File      │
                   └──────────────────┘        └──────────────┘
                              │                        │
                              ▼                        │
                   ┌──────────────────┐                │
                   │  Get Scanned      │◄───────────────┤
                   │  Domain Count     │                │
                   │      (V1)         │                │
                   └──────────────────┘                │
                              │                        │
                              ▼                        │
                   ┌──────────────────┐                │
                   │  Get Max Daily    │◄───────────────┤
                   │  Requests (V2)    │                │
                   └──────────────────┘                │
                              │                        │
                              ▼                        │
                   ┌──────────────────┐                │
                   │  Get Max          │◄───────────────┘
                   │  Requests/Batch   │
                   │      (V3)         │
                   └──────────────────┘
                              │
                              ▼
                   ┌──────────────────┐
                   │ Calculate Scans   │
                   │ Remaining         │
                   │ V4 = ( V2 - V1 )  │
                   └──────────────────┘
                              │
        ┌─────────────────────┼────────────────────────────────┐
        │                     ▼                                 │
        │               ◇ V4 <= 0 ◇──yes──► [ BatchSize = 0 ]───┼──► ◇ BatchSize > 0 ◇
        │                     │ no                              │
        │                     ▼                                 │
        │               ◇ V4 >= V3 ◇──yes──► [ BatchSize = V3 ]─┤
        │                     │ no                              │
        │                     ▼                                 │
        │           [ BatchSize = V3 - V4 ]─────────────────────┘
        └───────────────────────────────────────────────────────┘
```

Get Domains For Scanning → Put to Queue

scan domain queue → ( end )

Dasient

Processor

scan
domain
queue

Scan
Domain
Consumer

aug
data

HSphere

Dasient

'result'

'request'

aug
queue

Augmented
Consumer

Dasient
Interface
Servlet

result
queue

check for 'ack'

ack
queue

'ack'

'ignored'

Dasient
Result
Consumer

ack
expiry
queue

AckExpiry
Consumer

process
scan
queue

Process
Scan
Consumer

schedule
clean &
next scan

Dasient

DLQ
queue