

Re: Application design

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework/2008-11/msg00004.html>

- *From:* "David" <david.colliver.NEWS@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 1 Nov 2008 16:32:39 -0000
-

Hi Patrice,

Gone through the whole article and written the sample app. Towards the end of article is a sentence that says to download the WROXTester project, but no link to it. I have done a google for wroxtester but cannot find it.

Any ideas on the other side of this story? It looks like the app I have written from this site is the receiving side of the queue. I also need to see the sending side.

This queueing system could be the answer to a lot of the design questions... it sounds like we can use this to help us scale the app, say for example, we find one of our services is getting bogged down (being process intensive), we can quite quickly add in another server to handle some of the processing. This is quite cool.

—

Best regards,
Dave Colliver.

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"David" <david.colliver.NEWS@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:OKH1IR00JHA.3508@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Cool. That's going into my favourites...

Cheers Patrice.

—

Best regards,
Dave Colliver.

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Re: Application design

"Patrice" <<http://www.chez.com/scribe/>> wrote in message
news:8F1C5A5B-EF91-4B76-850A-986268E3CD0D@xxxxxxxxxxxxxxxxxxxx

Hi,

I would suggest :

<http://microsoft.apress.com/asptodayarchive/73445/a-managed-multithreaded-msmq-engine-running>

In particular depending on your architecture using MSMQ could help...

--
Patrice

"David" <david.colliver.NEWS@xxxxxxxxxxxxxxxxxxxxxxxx> a écrit dans
le
message de groupe de discussion :
udrUjJeOJHA.588@xxxxxxxxxxxxxxxxxxxxxxxx

Thanks Patrice,

I have never done a queue based system (and also done very
little in the
way of generating events, which leads me onto a new thread
that I will
ask in a short while.).

Would you be able to do a quick mock up so that I can
understand the
principle (or point me in the direction)?

Thanks.

--
Best regards,
Dave Colliver.
<http://www.AshfieldFOCUS.com>
~~
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"Patrice" <<http://www.chez.com/scribe/>> wrote in message
news:BE6B921E-0F83-43FE-9562-8658659E93CA@xxxxxxxxxxxxxxxxxxxx

Same as Peter, I meant I would add them a
processing queue (this is the
word I omitted) or even queues (for example
depending on priority) . In
addition to the pure technical difference
between a file system watcher
and a queue, I feel it would allow to store
some additional data that

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could help in managing each entry.

It should be quite easy to do a mock up to simulate the base principle you would use...

--
Patrice

"David"
<david.colliver.NEWS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
a écrit dans le
message de groupe de discussion :
O1dGeBcOJHA.1744@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi,

Thanks Sloan, Peter and Patrice. Definately food for thought.

Patrice, can you expand on what you mean?

The system has to work with a plugin architecture and be scalable. For example, it will also be database driven and I need to be able to use different databases. This I can easily achieve by using a layered approach, something I haven't mentioned yet though is that it has to be able to work from a clustered perspective as well (such as a clustered DB server or clustered web server etc.) However, I don't think that affects this part of the structure.

--
Best regards,
Dave Colliver.
<http://www.AshfieldFOCUS.com>

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"Patrice"

<<http://www.chez.com/scribe/>>

wrote in message

news:DD4305A1-614E-44FB-BA1B-59CC117C006D@xxxxxxxxxxxxxxxxxxxx

As files are submitted by using a web service I would add them to a processing at this point rather than just using the file system. This way you can add whatever you want to each entry (either priority, chronological time, current status, and even try to reprocess in case of a failure).

Similarly it should be easier to use multiple threads if needed this way...(i.e. basically you just share reading/setting the current

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status).

--

Patrice

"David"

<david.colliver.NEWS@xxxxxxxxxxxxxxxxxxxxxxxx>

a écrit dans

le

message de

groupe de

discussion :

uJyGYbSOJHA.4372@xxxxxxxxxxxxxxxxxxxxxxxx

Hi,

This
question
could
be
very
subjective
but
I
am
after
a
way
to
design
this...

I
am
developing
in
C#,
.NET
2.0

Basically,
I
have
data
coming
in
from
a
mobile
phone.
This

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is
sending
a
file
to
a
webservice.
The
webservice
will
save
the
file
to
local
disk
and
also
send
/
receive
messages
from
the
mobile
phone.
This
part
is
working
fine,
though
wether
I
should
have
a
multi-thread
on
this,
I
don't
know.

Once
the
file
has
been
saved,

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I
need
to
then
work
on
it.
The
process
can
become
quite
intensive.
Also,
each
file
can
come
from
a
different
customer
and
each
customer
will
have
a
'priority'
preference,
for
example,
some
files
have
to
be
acted
upon
immediately
(due
to
them
being
time
critical)
where
others
that
are
not

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so
critical
can
wait.

My
thoughts
to
handle
this
is
a
windows
service
with
a
filewatcher
to
watch
the
webservice
receiving
folder.
Then,
depending
on
the
file
(customer),
react
to
it...

I
guess
I
should
be
doing
threading
here
(I
have
not
really
done
any
threading
before...)
but

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I
do
have
to
bear
in
mind
priority
files.
Also,
if
there
are
for
example,
3
files
from
one
phone,
they
have
to
be
handled
chronologically.

We
could
be
talking
many
thousands
of
files
per
day
that
need
to
be
handled
(both
for
the
webservice
and
windows
service).
Also,
there

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could
be
varying
outputs,
for
example,
some
customers
may
just
want
a
raw
processed
file
(XML),
others
may
want
an
image
while
others
may
want
a
PDF.
Also,
any
/
all
of
these
could
be
selected.

Finally,
the
file
can
be
delivered
either
back
to
the
phone,
via
email,
via

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FTP,
HTTP
to
another
web
server
or
any
other
common
communications
technology.
(Again,
any
/
all
options
could
be
selected.)

I
also
have
to
make
the
application
work
on
multiple
servers,
though
that
probably
won't
be
such
an
issue
unless
I
have
a
common
fileserver
to
store
the
incoming
files

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and
the
filewatcher
service
on
two
servers
both
attempt
to
collect
the
same
file.

Ideas
on
how
I
should
approach
this
would
be
very
much
appreciated.

--
Best
regards,
Dave
Colliver.
<http://www.AshfieldFOCUS.com>

~~
<http://www.FOCUSPortals.com>

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