

## Re: question on synchronization for Intel Developer Services artic

**Source:**

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2005-02/0324.html>

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**From:** Geoff (*Geoff\_at\_discussions.microsoft.com*)

**Date:** 01/27/05

Date: Thu, 27 Jan 2005 03:47:02 -0800

Will do and thank you.

"Andrew J. Kelly" wrote:

> *Sure, just keep in mind this is my personal opinion based on my real life*  
> *experiences and am not trying to dictate how future apps will be built<g>.*  
>  
> --  
> *Andrew J. Kelly SQL MVP*  
>  
>  
> *"Geoff" <Geoff@discussions.microsoft.com> wrote in message*  
> *news:D8AD9D1A-BCEA-48E3-8262-0FC6008EEECB@microsoft.com...*  
> > *Thanks, Andrew. May I quote you on this in my article?*  
> > *Geoff gkoch AT stanfordalumn DOT org*  
> >  
> > *"Andrew J. Kelly" wrote:*  
> >  
> > > *Well I can't say I have given this a lot of thought lately but yes there*  
> > > *are*  
> > > *definite advantages and productivity gains to be had by using*  
> > > *applications*  
> > > *that can work the way you need when disconnected. As such a certain*  
> > > *percentage of new software will be written to take advantage of that.*  
> > > *That*  
> > > *does not mean everything will change but many professions are already*  
> > > *demanding remote or offline access today.*  
> > >  
> > > --  
> > > *Andrew J. Kelly SQL MVP*  
> > >  
> > >  
> > > *"Geoff" <Geoff@discussions.microsoft.com> wrote in message*  
> > > *news:5F224D8D-4278-450F-B04F-11BFC5DC1687@microsoft.com...*  
> > > > *Thanks, Andrew. Can I bounce another, higher level question off you?*

> > > >  
> > > *The gist of my article is that the tipping point for asynchronous, OC*  
> > > *applications is mobile repair and service personnel. Here's a case*  
> > > *study*  
> > > *that*  
> > > *the Intel guys like:*  
> > > [http://www.ianywhere.com/success\\_stories/burlington\\_north.html](http://www.ianywhere.com/success_stories/burlington_north.html).  
> > > >  
> > > *The idea generally is that IT infrastructure is already in place in*  
> > > *standard*  
> > > *office & enterprise environments. So there's inertia when there's any*  
> > > *talk*  
> > > *of*  
> > > *changing the infrastructure from always-on to sometimes-on, even when*  
> > > *there's*  
> > > *problems. (For instance, if you're working connected via Wi-Fi to*  
> > > *Outlook,*  
> > > *SAP perhaps a CRM program, and then you walk from floor to floor,*  
> > > *changing*  
> > > *subnets and walking in and out WiFi hotspots, you'll often get lots of*  
> > > *error*  
> > > *messages.) But when the office/white collar-types see the productivity*  
> > > *gains*  
> > > *service/maintenance personnel get from working in OC fashion, then the*  
> > > *white*  
> > > *collar workers demand the same kind infrastructure, etc., etc.*  
> > > >  
> > > *I guess my questions is, do you buy it? That giving service/maintenance*  
> > > *workers mobile applications that work well with sporadic network*  
> > > *connectivity*  
> > > *(perhaps wireless, perhaps ethernet, perhaps dial-up) will be the*  
> > > *tipping*  
> > > *point to change the way lots of sw is architected?*  
> > > >  
> > > *Thanks,*  
> > > *Geoff*  
> > > >  
> > > >  
> > > *"Andrew J. Kelly" wrote:*  
> > > >  
> > > > *If you are talking about replication then any of the SQL Server*  
> > > > *editions*  
> > > > *can*  
> > > > *do some form of replication, not just CE. What edition will run on*  
> > > > *your*  
> > > > *mobile device depends on what OS it is running. ADO.net has a lot of*  
> > > > *features based around offline datasets and make it relatively easy to*  
> > > > *build*  
> > > > *applications that can work off line and update later. I would suggest*  
> > > > *you*  
> > > > *have a look at [www.microsoft.com/sql](http://www.microsoft.com/sql) and browse around in the*

> > > *different*  
> > > *areas that may be of interest to you.*  
> > >  
> > > --  
> > > *Andrew J. Kelly SQL MVP*  
> > >  
> > >  
> > > *"Geoff" <Geoff@discussions.microsoft.com> wrote in message*  
> > > *news:9E776F8F-AA13-432F-B40C-78C3A2AA5DD1@microsoft.com...*  
> > > > *I'm a freelance tech writer working on an article for Intel*  
> > > > *Developer*  
> > > > *Services, Intel's site for sw developers. The article is on writing*  
> > > > *applications for use in occasionally connected environments. Intel*  
> > > > *really*  
> > > > *thinks that asynchronous, OC apps make more sense for a slew of*  
> > > > *mobile*  
> > > > *applications.*  
> > > >  
> > > > *Here is my question (I'm sorry if it's naive.... I'm not a*  
> > > > *developer):*  
> > > > *As*  
> > > > *I*  
> > > > *understand it, it's only in SQL for Windows CE that the database can*  
> > > > *live*  
> > > > *locally on the client device, synchronizing to a back end when a*  
> > > > *connection*  
> > > > *becomes available. So building OC solutions across multiple devices*  
> > > > *is*  
> > > > *difficult, because there's little support for the same functionality*  
> > > > *on*  
> > > > *PCs*  
> > > > *laptops. Is this correct? What are are some tips for developers*  
> > > > *looking*  
> > > > *to*  
> > > > *build apps that work asynchronously on laptops?*  
> > > >  
> > > > *Thanks very much for any help you can provide. I'm looking for*  
> > > > *comments*  
> > > > *I*  
> > > > *might quote from in my article, but if you prefer not to be quoted,*  
> > > > *that's*  
> > > > *fine, too. I'm also looking just to get smart on this.*  
> > > >  
> > > > --  
> > > > *Geoff Koch (gkoch AT stanfordalumni DOT org)*  
> > > > *Science/Tech Writer*  
> > > > *Lansing, Michigan*  
> > > >  
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