

# Template:ArticleNeedsUpdate

Apply this template to the top of articles that require a specific update or testing to improve quality or to bring them "up to date".

## Usage

```

{{ArticleNeedsUpdate|timestamp={{subst:CURRENTTIMESTAMP}}|user=~~~|Text explaining
issues(required)}}
    
```

The parameters are required:

- *timestamp*: Apply a timestamp so it is clear when the suggestion was made. Usually just copy-paste `timestamp={{subst:CURRENTTIMESTAMP}}`
- *user*: User id of person recording issue. You can use the wiki syntax `~~~` to add your user id
- Unnamed parameter: Text explaining what changes or testing is needed.

Optional parameters:

- *type*: A short string for the type of update required. For example, one of: copyediting, code formatting, technical review. This is optional, but if specified will replace the text "to be updated" when the template is displayed.
- *language*: The language category of the natural language the template is to display in. If no language is specified or if the specified language is not supported then the English version is used.
  - Translations exist for: Lang-Portuguese, Lang-Chinese, Lang-Russian, Lang-Bahasa Indonesia
  - For example:

```

{{ArticleNeedsUpdate|language=Lang-Chinese|timestamp=...}}
    
```

 本文需要更新: 如果您发现这篇文章有用, 请修复下面的问题, 然后从文章中删除 {{ArticleNeedsUpdate}} 模板, 以消除此警告。

**原因:** hamishwillee (20 Sep 2012)  
请说明需要更新的理由。

 Este artigo precisa ser atualizado: Se você achou esse artigo útil, por favor corrija os problemas relatados abaixo e depois retire do artigo o modelo {{ArticleNeedsUpdate}}, para que este aviso seja removido.

**Motivos:** hamishwillee (20 Sep 2012)  
POR FAVOR, EXPLIQUE PORQUE O ARTIGO PRECISA SER ATUALIZADO.

 Данную статью необходимо обновить: Если Вы считаете эту статью полезной, пожалуйста, исправьте указанные ниже проблемы, после чего удалите шаблон {{ArticleNeedsUpdate}} из статьи, чтобы убрать это предупреждение.

**Причины:** hamishwillee (20 Sep 2012)  
ПОЖАЛУЙСТА, УКАЖИТЕ ПРИЧИНУ (ПРИЧИНЫ) ОБНОВЛЕНИЯ.

 Artikel ini perlu diupdate: Jika anda berfikir artikel ini bermanfaat, anda dapat membantu menyelesaikan masalah di bawah lalu menghapus template {{ArticleNeedsUpdate}} untuk menghilangkan peringatan ini.

**Alasan:** hamishwillee (20 Sep 2012)  
MOHON BERIKAN ALASAN KENAPA HARUS DIUPDATE.

## Articles List

See also filtered lists in: [Windows Phone](#) and [Java ME](#).

Article	Type	Timestamp	User	Reason
<a href="#">应用开发 S60 3rd Edition</a>	update	20110907033809	hamishwillee	Article is out of date: <ul style="list-style-type: none"> <li>▪ Incorrect links for Symbian Signed</li> <li>▪ Many broken links to defunct pages on this site (fixed some, but all should be checked)</li> <li>▪ Toolchain has changed and part of this is now incorrect. For example, no need to mention codewarrior. Carbide.c++ now only comes in one version so no need to mention the express or professional variants. Also Carbide.vs has been discontinued so should not be mentioned.</li> </ul>
<a href="#">Using AT commands to send and read SMS</a>	update	20130620014509	hamishwillee	This is a very old article which explains ow to send AT commands. However it does not cover what devices where it is known to work. These need to be specified so that it is possible to respond to questions at the end. Symbian Signed options have changed. In particular <ul style="list-style-type: none"> <li>▪ DevCertRequest is no longer used to get DevCerts,</li> <li>▪ Open Signed is no longer a program name                             <ul style="list-style-type: none"> <li>▪ Open Signed Online has been discontinued as it is not needed (anyone can get devcerts through site)</li> <li>▪ Open Signed Offline term no longer used - we just have Developer Certificates downloaded from site.</li> </ul> </li> </ul>
<a href="#">Symbian Signed (Chinese)</a>	update	20110907064637	hamishwillee	<ul style="list-style-type: none"> <li>▪ Open Signed Online has been discontinued as it is not needed (anyone can get devcerts through site)</li> <li>▪ Open Signed Offline term no longer used - we just have Developer Certificates downloaded from site.</li> </ul>
<a href="#">在Qt S60中使用QtMobility做开发</a>	update	20111121042840	hamishwillee	Qt Mobility is now delivered with the <a href="#">Qt SDK</a> . This is probably largely accurate but needs a review.

S60入门基础	update	20110510044256	hamishwillee	<p>This article was written in 2007. A lot has happened in that time - <del>Carbide</del> <del>2014-06-22</del> revisions older an no longer branded using Express/Professional. The main development framework for Symbian is Qt, not Symbian C++.</p> <p>In summary, while this was a good article a number of years ago, it needs a thorough update in order to be accurate now. Note, I have commented out references to Symbian Developer Network and developer.symbian.com as both of these are closed.</p>
Qt for Symbian应用开发流程	update	20120216032933	hamishwillee	<p>Article is very out of date. Carbide.c++ no longer used for Qt development. Should refer to <a href="#">Qt SDK</a></p>
Qt Symbian 开发环境安装	update	20111212064928	hamishwillee	<p>This refers to old toolchain including Carbide.c++. It should be updated to one using <a href="#">Qt SDK</a> or deleted.</p>
OVI Certificates	update	20120418200759	lvalente	<p>This article contains current information as of 2010.</p>
Guidelines for Mobile Interface Design	update	20120509043652	hamishwillee	<p>This needs significant update in order to include and focus on the more modern interface guidelines for touch screen devices.</p>
Qt for symbian 开发环境安装	update	20111128034157	hamishwillee	<p>This uses superceded Nokia Qt SDK. Should be updated to at least current <a href="#">Qt SDK</a> v1.1.4 (at time of writing).</p> <p>This article was written at a time when Carbide was being introduced and the aim was still to migrate developers to Carbide. Now days we're trying to migrate them to Qt Creator in most cases. Since then Carbide branding has significantly changed. Many of the links are now broken. I think this could be re-written as a much simpler document and reflecting the current carbide 3.0+</p>
迁移到Carbide.c++	update	20111018032422	hamishwillee	<p>Qt Mobility is included in <a href="#">Qt SDK</a> so no separate installation required. Should be reviewed, and if confirmed that this is not accurate for current Qt versions this should be deleted.</p> <p>These instructions are against an old version of Qt "The Nokia Qt SDK 1.0". It needs a review agaisnt the "Qt SDK 1.1.4" (five new versions on). It also appears to assume you're managing multiple SDKs or possibly using Qt creator over the top of a Symbian SDK. That is no longer enabled.</p> <p>The article reflects (largely) the state of Qt in Qt 4.4 when Nokia first acquired Qt. Qt is now at Qt 4.8 on Symbian and MeeGo Harmattan devices. Qt is now an open source project, where most of the development team been acquired by Digia - it is further being developed (at time of writing to Qt 5). It is licensed via LGPL. The main UI framework is a declarative language and tools called Qt Quick (QML) rather than C++ widgets as stated here.</p> <p>This article should be updated to reflect the current state of Qt on Symbian/MeeGo Harmattan devices (as that is relevant to Nokia). It should cover the Qt Mobility project and Qt Quick. It then should link to the Qt project and digia for ongoing Qt development.</p>
Using Qt Creator with Symbian	update	20110825070029	hamishwillee	<p>Inneractive now work with Nokia developers directly. This article has been partially updated to refer to Inneractive, but needs to be retested. All references to NAX should be removed as part of testing/update.</p> <p>The Buddy API changed completely since this article was written and the online documentation does not seem to be up to date. The article needs to be updated to reflect the current API. Ideally the ArticleMetadata "dependencies" information should list the version of the API for which it is accurate. Note also that the Nokia Premium Developer Program has been replaced by Nokia Developer Offers, and the information about free service calls is no longer true.</p>
Qt overview	update	20121113032513	hamishwillee	<p>Inneractive now work with Nokia developers directly. This article has been partially updated to refer to Inneractive, but needs to be retested. All references to NAX should be removed as part of testing/update.</p> <p>The Buddy API changed completely since this article was written and the online documentation does not seem to be up to date. The article needs to be updated to reflect the current API. Ideally the ArticleMetadata "dependencies" information should list the version of the API for which it is accurate. Note also that the Nokia Premium Developer Program has been replaced by Nokia Developer Offers, and the information about free service calls is no longer true.</p>
Implementing advert in Windows Phone app using Inneractive with CSharp	update	20131122002713	hamishwillee (talk)	<p>Inneractive now work with Nokia developers directly. This article has been partially updated to refer to Inneractive, but needs to be retested. All references to NAX should be removed as part of testing/update.</p> <p>The Buddy API changed completely since this article was written and the online documentation does not seem to be up to date. The article needs to be updated to reflect the current API. Ideally the ArticleMetadata "dependencies" information should list the version of the API for which it is accurate. Note also that the Nokia Premium Developer Program has been replaced by Nokia Developer Offers, and the information about free service calls is no longer true.</p>
Getting started with Buddy services: Create your own location based social app	update	20131111221910	hamishwillee (talk)	<p>Inneractive now work with Nokia developers directly. This article has been partially updated to refer to Inneractive, but needs to be retested. All references to NAX should be removed as part of testing/update.</p> <p>The Buddy API changed completely since this article was written and the online documentation does not seem to be up to date. The article needs to be updated to reflect the current API. Ideally the ArticleMetadata "dependencies" information should list the version of the API for which it is accurate. Note also that the Nokia Premium Developer Program has been replaced by Nokia Developer Offers, and the information about free service calls is no longer true.</p>
中文 Symbian论坛和新闻组	update	20110510055553	hamishwillee	<p>Lots has changed since 2007. The article this was translated from <a href="#">Symbian discussion forums and newsgroups</a> and this both need to be updated significantly</p> <p>This covers some of the key resources of interest, but is very out of date and not particularly well written. It needs to be restructured to be a much thinner document that references Qt, Symbian C++ and Python. It should where possible point to the libraries in each. I would split out all the Symbian C++ stuff into Getting Started with Symbian C++ or similar. That should reference <a href="#">Fundamentals of Symbian C++</a> book which is a great online resource, tutorial <a href="#">Symbian C++ Hello World</a> and <a href="#">Going Beyond Hello - A Tutorial for Symbian C++ Applications</a></p>
How do I start programming for Symbian OS?	update	20110510013559	hamishwillee	<p>The article content is useful and accurate. However there are heaps of articles on the wiki with the same topic, some that also cover using the IDE, carbide, Qt Creator, using devcerts, using local certificates, using createsis. I think this needs to be merged with the others.</p>
How to guide for creating/signing sis files	update	20111129032102	hamishwillee	<p>This awesome app code does not run in Cloud Preview due to unsupported CSS2 position property. It should be updated to use supported elements.</p>
Blocks game Series 40 Web App	update	20120911012313	hamishwillee	<p>I've just disabled or fixed 9 broken links. This indicates that the subject matter covered by the library is changing quickly, and this probably needs a thorough investigation to see if it is still valid.</p>
如何创建Maemo应用程序	update	20111021025326	hamishwillee	<p>Article is out of date and requires either an update or to be deleted (specifically, I believe that the limitations presented are not present in the current version of Qt.</p>
不通过Qt Mobility操纵Symbian设备的相机	update	20111213024922	hamishwillee	<p>bcdedit is mentioned once but not explained - can possibly get information from here: <a href="#">Archived:Possible workarounds to Emulator startup issues on Vista in S60 3rd Edition.</a></p>
Using Nokia SDKs and Tools on Windows Vista	update	20120820004835	hamishwillee	<p>This article is incomplete. It has links to a book that don't work, and is littered with poor English and placeholders for future work. Can we please get it updated to have links, remove all the placeholders (and spurious multiple exclamation marks)? The technology does look interesting, if there is a cool real world example of interfacing with Phones.</p>
Communicating with Arduino	update	20111028055822	hamishwillee	<p>This code does not run in Cloud Preview due to unsupported elements in JQuery (e.g. <code>data_role</code> does not work). It should be updated to use supported elements.</p>
Using jQuery Mobile in Nokia Asha Web Apps	update	20120911012313	hamishwillee	<p>Image capture code doesn't work on Nokia Asha 305.</p>
Developing a 2D game in Java ME - Part 6	update	-	-	
Advanced Package File Options	update	20120130051514	hamishwillee	<p>I don't see any value of this article over the content in the Developer library. Propose this simply links to the developer library, or is deleted.</p>
Read and send SMS messages using the Qt	update	20120216032336	hamishwillee	<p>Usage of Qt Mobility API is through QWidjet app framework. Should be updated to be</p>

Messaging API	update	20120210037000	accessed through Qt Quick.
CBC模式下的数据加密和解密	update	20110510060728	hamishwillee SymbianCryptographyLibrary appears to be unavailable. Needs to be found, or if no longer needed this article needs to be deleted.
Hybrid Application Generator	update	20110815061452	hamishwillee Would be useful to reverify with Nokia Web Tools as these have superseded Aptana. Also worth verifying that the project will work with latest versions of Qt
Creating CustomItem in Java ME	update	20120810095816	trashedDev The full potential of this article isn't available on full-touch devices since this article needs to have a physical number pad.
How to create a Symbian application icon (SVG)	update	20120608	Itomuta Bad. Bad. Bad. Especially the parts about using raster images "converted" to SVG instead of tracing them.
How to use QDir in Qt	update	20120209031850	hamishwillee The article uses QDir, which is reasonable, but in the context of a QWidget example, which is not. This should be modified to show QDir in the context of a Qt Quick application or to remove the UI framework around the use of the QDir code.
Image usability design guidelines	update	20120508024911	hamishwillee Content is ok but images/examples are outdated. Should be updated to use Nokia Belle or Windows Phone examples.
Developing a 2D game in Java ME - Part 7	update	20130618055116	hamishwillee Original comment by r2j7 in Sept 2008 still valid - server side implementation required. On 20130618 Mishrapk12 - posted that the pads are not moving in SDK1.0 nor sdk 2.0
Jogging - Calorie Calculator: Demonstrating Real World usecase of WP8 features	update	20130503054239	hamishwillee The article has reported errors. There is no working zip file which makes it hard to verify the code, and it is not documented sufficiently to understand the code without such a zip file. IMO this therefore does not meet wiki quality standards. If a buildable project cannot be provided it should be deleted.
Capabilities	update	20120131051930	hamishwillee This update should be merged with, and redirected to, the official capabilities topic: <a href="#">Capabilities (Symbian Signed)</a>
Installing Qt Mobility in Qt SDK on Windows (former Qt desktop SDK)	update	20121107060329	hamishwillee I believe the latest Qt SDK includes Qt Mobility, and that there is no separate "Qt for desktop" SDK. This article needs to be either updated or deleted if this can be confirmed.
How to port Bondi Widgets to Symbian Web Runtime	update	20111013010421	hamishwillee The Bondi site no longer exists - links to it have broken. It appears that Bondi may have been merged into <a href="#">WAC SDK</a> however I can't find a clear explanation. This article therefore out of date and should either be deleted or updated to reflect the new API and state of Bondi. This will require some expert help.
Getting started with PyQt for Maemo	update	20110428234954	hamishwillee The instructions have not been tested for some time and are unlikely to be correct in terms of installation and SDK. It would also be useful to have similar instructions for PySide, the alternative (and better licensed) Python on Qt Binding.
使用CTelephony获取网络名	update	20111221053339	hamishwillee Needs to be merged with near-duplicate topic <a href="#">从CTelephony获取网络名</a>
Developing Google Reader client for Series 40 with Web Tools	update	20120911012237	hamishwillee This code does not run in Cloud Preview due to unsupported elements in JQuery (e.g. <code>data_role</code> does not work). It should be updated to use supported elements.
Device independent layout for QML	update	20120221225529	hamishwillee Article provides only part of the layout/scalability/orientation story. Suggest it should be extended to include additional information from the linked SeeAlso section. I've also added some Comments in the talk page below.
Get device information using Qt	update	20120216001627	hamishwillee The article explains the supported generic Qt Mobility API, but provides example/code snippets using deprecated QWidget UI. This example should be updated to not use QWidget.
Threaded Conversation View Design	update	20120508053806	hamishwillee The threaded/non-threaded images below aren't very good - they show only a view with messages associated with a particular user. A good image would be the conversation view on a phone where sent/received messages are displayed adjacent to each other, in order. Alternatively, a facebook view.
Qt for S60使用入门	update	20111213055304	hamishwillee Article out of date. Either update to reflect new SDKs and using QML or delete.
JAD	update	20130327010849	hamishwillee This article should be merged with articles containing similar material: <a href="#">JAD</a> , <a href="#">JAR</a> , <a href="#">Java Application Descriptor (JAD) essentials</a> , <a href="#">MIDlet JAR Manifest essentials</a>
Java Application Descriptor (JAD) essentials	update	20130327010821	hamishwillee This article should be merged with articles containing similar material: <a href="#">JAD</a> , <a href="#">JAR</a> , <a href="#">Java Application Descriptor (JAD) essentials</a> , <a href="#">MIDlet JAR Manifest essentials</a>
Ovi Developer - Getting Started	update	20111012031620	hamishwillee This article was written prior to information becoming available on the static site. Arguably the material in the <a href="#">Nokia Store guidelines</a> and other documents linked from <a href="#">Category:Nokia Store</a> replaces this. It should be reviewed and updated in line with current information or deleted.
Qt Mobility API Basic Examples Part 1	update	20110413014620	- Article needs to be verified against the <a href="#">Qt SDK</a> and Qt Creator and then updated. It was previously tested using the Qt for Symbian platform SDK which is no longer supplied, and Carbide.c++ which doesn't work with the Qt SDK.
Big Picture : S60 and Symbian C++ Learning Path	update	20110511011158	hamishwillee Many of the links were to developer.symbian.com, now defunct. Links have been "disabled" but need to be relinked to the appropriate reference in the <a href="http://library.developer.nokia.com/">http://library.developer.nokia.com/</a> . Also as this is several years old, it should probably be updated with new links.
Model-View-Controller application architecture	update	20130816064609	hamishwillee <a href="#">Overlap with MVC in Java ME</a> - the articles should be merged. <a href="#">(talk)</a>
Integrating Inneractive advertising in a LWUIT application	update	20131122002836	hamishwillee Inneractive now work with Nokia developers directly. This article needs to be retested. All references to NAX should be removed as part of testing/update. <a href="#">(talk)</a>
Creating a signal to slot connection in Qt Designer	update	20110415063258	hamishwillee <ul style="list-style-type: none"> <li>▪ English is poor.</li> <li>▪ Links need to be checked</li> <li>▪ Most of this may be out of date with current Qt SDK - needs to be checked,</li> </ul>
How to take snapshot in Qt	update	20120217041058	hamishwillee Example is hosted within framework of deprecated QWidget based UI. Would be good to modify to a Qt Quick app
Controlling vibra settings in Java ME	update	-	- Code doesn't seem to work on Nokia 701 or Nokia Asha 305
MIDlet JAR Manifest essentials	update	20130327010829	hamishwillee This article should be merged with articles containing similar material: <a href="#">JAD</a> , <a href="#">JAR</a> , <a href="#">Java Application Descriptor (JAD) essentials</a> , <a href="#">MIDlet JAR Manifest essentials</a>

<a href="#">从CTelephony获取网络名</a>	update	20111221053333	hamishwillee	Needs to be merged with near-duplicate topic <a href="#">使用CTelephony获取网络名</a>  Please (partially) re-translate <a href="#">Qt &amp; Application Signing</a> to include changes since last revision before 20110902. At high level the changes are: <ul style="list-style-type: none"> <li>Developer Certificates are now granted to both individuals and companies through the site - as a result Open Signed Online is no longer need and has been discontinued.</li> <li>Open Signed Offline and Open Signed Online are no longer used to describe process for getting DevCerts. Instead instructions on how to get a devcert are given in the user guide: <a href="#">User guide: Symbian Signed</a>.</li> <li><a href="#">User guide: Symbian Signed</a> is now a high level important document</li> <li>Symbian Signed is no longer run through Symbian Foundation</li> </ul> Note, I have made some of the needed changes, simply deleting links to Open Signed Offline/Online references. I am not certain that the text still makes sense in Chinese.
<a href="#">Qt &amp; Application Signing/zh-hans</a>	update	20110902013436	hamishwillee	
<a href="#">Qt (Português)</a>	update	20130602211043	Ipvalente	O texto está desatualizado.  Article referred to old Qt 4.5 releases - including "Garden". I've deleted obvious incorrect links, but still needs to be reviewed by native speaker who is also Qt expert. For example, we no longer use emulator or SDKs that work on top of Symbian SDKs, instead we use the Qt SDK
<a href="#">动态装入并初始化Q插件</a>	update	20110815045948	hamishwillee	
<a href="#">How to send a jar file from a Java ME app using Bluetooth</a>	update	20120831010912	hamishwillee	The attached zip file with source is corrupted. Needs to be recreated.
<a href="#">Publishing to Ovi Store FAQ</a>	update	20111017014807	hamishwillee	This is extremely out of date. The official <a href="#">FAQ</a> is more accurate.
<a href="#">JAR</a>	update	20130327011019	hamishwillee	This article should be merged with articles containing similar material: <a href="#">JAD</a> , <a href="#">JAR</a> , <a href="#">Java Application Descriptor (JAD) essentials</a> , <a href="#">MIDlet JAR Manifest essentials</a>
<a href="#">How to create OMA DRM v1.0 content</a>	update	20110909003023	hamishwillee	The Nokia Mobile Internet Toolkit has been archived. This leads me to think that perhaps the article is either out of date or less relevant. Should it be archived. Is there are better document to point to?  The article is slightly confusing and out of date. <ul style="list-style-type: none"> <li>its not clear what the differences are between 2nd and 3rd edition - perhaps the first section is for 2nd edition ... who knows!</li> <li>This creates and uses gdr files. Symbian can use open font files from v9 - ie monotype or ttf depending on plugin support and you'd author those in their own native tools</li> <li>the second example (3rd edition) looks like it is loading a system font - how is this a custom font?</li> <li>the second example should explain what it is trying to do with the custom font</li> </ul> I think this should clarify the above points and also explain the difference between a custom and system fonts on both platforms
<a href="#">Creating and loading custom fonts in Symbian</a>	update	20120125023645	hamishwillee	
<a href="#">Guidelines for Mobile Advertising</a>	update	20120509042224	hamishwillee	Nokia platforms now have support for <a href="#">In-App Advertising</a> . Information about the APIs and approaches used needs to be incorporated into this document.
<a href="#">Using Qt environment macros to differentiate platforms</a>	update	20110901053423	hamishwillee	Article is accurate but should be extended to include newer Qt Environment macros (including Q_WS_MAEMO_6, Q_WS_MEEGO etc.)
<a href="#">Como criptografar um texto usando QCryptographicHash, em Qt</a>	update	20120215095903	hamishwillee	Example uses QCryptographicHash in a QWidget app framework. As QWidget is deprecated, should be updated to just show the use of the cryptographic hash.
<a href="#">Ovi地图JavaME Location API开发介绍</a>	update	20130618050032	hamishwillee	Very out of date - the location API is now part of the SDK and has been through a number of revisions.
<a href="#">Anatomia de um Tile</a>	update	20121130045022	hamishwillee	Tiles have changed a bit in Windows Phone 8 - this is only up to date to Windows Phone 7.5
<a href="#">Começando a programar para dispositivos móveis</a>	update	20130929150652	Ipvalente (talk)	O texto não contém referências para as plataformas atuais usadas em aparelhos Nokia
<a href="#">Carbide.c++ FAQ</a>	update	20110630063808	hamishwillee	This was written in 2009 in Carbide.c++ v2.0 timeframes. I've updated it with links to latest version (3.2) and fixed broken links. However it probably needs more detailed update. The <a href="#">official page</a> may contains some of the required information.
<a href="#">Carbide.c++(日本語)</a>	update	-	-	Carbide is no longer branded into separate editions for developer OEM etc, and has been updated to version 3.2. There is also no further interest in CodeWarrior, and that information could be removed)
<a href="#">Ferramentas Symbian C++</a>	update	20120211195745	Ipvalente	Esta lista de ferramentas está bastante desatualizada.  This is outdated example and may not compile with new sdks; see this for new examples <a href="#">Qt Mobility API Basic Examples Part 1</a> . Note also that the article has some Symbian specific guidance and has been tested on Symbian, but should work on all platforms.) The article uses the QWidget UI - it should be updated to use Qt Quick.
<a href="#">Delete messages using Qt Mobility API</a>	update	20120216000648	hamishwillee	
<a href="#">Generic Connection Framework (GCF) in Java ME.</a>	update	20111122043936	hamishwillee	Article doesn't appear to have been fully reviewed. Needs to be checked by technical expert. Formatting of code samples needs to be improved.  This article is out of date with respect to services available and current branding (see <a href="http://maps.nokia.com/services/">http://maps.nokia.com/services/</a> and static site for more information). It should either be updated or deleted. If it is updated, more comprehensive information should be provided about the services
<a href="#">Ovi Services</a>	update	20111012031219	hamishwillee	
<a href="#">Detecting and handling multi-touch events in Windows Phone 7 applications</a>	update	20130530051254	hamishwillee	The article is incomplete. To make this useful you would need to describe what the application is supposed to do, why it is useful, provide links to any source references you learned to created it (e.g. on MSDN) and also any tricks/tips associated with using this code - ie what if you want to detect multi-touch events on a map control as opposed to over the top of some other control. That way not only can people easily use your code, but they can work out when the code is not so useful, and extend it to other use cases. Jerry (see comments) also found it inconsistent.

Introduction to Lightweight User Interface Toolkit	update	20120705071313	hamishwillee	LWUIT now "properly" supported on Series 40 - see <a href="https://github.com/nokia-developer/lwuit-for-series-40">https://github.com/nokia-developer/lwuit-for-series-40</a> . The article needs to be updated in line with this - and possible all content removed except pointer to current LWUIT resources.
Timer correction on Nokia devices (Known Issue)	update	20120820003810	hamishwillee	Perhaps could be extended with a reference to RChangeNotifier and a warning about RTimer/User::At-s completing prematurely.
Windows phone 诊断工具	update	20130719040400	hamishwillee (talk)	This tool only applies to Windows Phone 7.5. Original article has been updated.
How to vibrate phones from Java ME	update	20130911022339	hamishwillee (talk)	I recommend the relevant parts of this article be merged into <a href="#">Controlling vibra settings in Java ME</a> - specifically the MDP1.0 information. This article should then be deleted/redirected to the other article.
Symbian C++ Development Tools Overview	update	20111123024710	hamishwillee	This contains lots of older toolchain tools. Needs to be updated to reflect SBSv2 (raptor) and identify the SBSv1 tool. Should also add mention of Qt/Qt creator for cross development framework development
Qt для S60	update	20110531054307	hamishwillee	This is out of date - points to legacy site peppertroll and has a lot of bad links.  Please (partially) re-translate the <a href="#">Complete Guide To Symbian Signed</a> to include changes since last revision before 20110902. At high level the changes are: <ul style="list-style-type: none"> <li>Developer Certificates are now granted to both individuals and companies through the site - as a result Open Signed Online is no longer need and has been discontinued.</li> <li>Open Signed Offline and Open Signed Online are no longer used to describe process for getting DevCerts. Instead instructions on how to get a devcert are given in the user guide: <a href="#">User guide: Symbian Signed</a>.</li> <li><a href="#">User guide: Symbian Signed</a> is now a high level important document</li> <li>Symbian Signed is no longer run through Symbian Foundation</li> </ul> Note, I have removed offending links below, but can't be sure that it all still makes sense in Chinese.
Carbide.c++ On-device Debugging Quick Start	update	20110825041659	hamishwillee	Article needs to be updated to latest version of Carbide.c++ - currently article mentions ADT rather than pointing to Symbian C++ tools area on Nokia Developer. This corresponds to Carbide 2.0 (approximately) but need to confirm that it is still correct for latest carbide (3.0+)
Getting Started with On-Device Debugging using Carbide.c++	update	20111020013939	hamishwillee	Carbide.c++ debugging has significantly improved from v3. This article points to out of date references and broken links. It also refers to old professional/OEM/express branding. Merge with <a href="#">Carbide.c++ On-device Debugging Quick Start</a>
How to find out the total memory in Java ME	update	20130630123741	Ipvalente	The article discusses previous Symbian editions, but does not discuss current Asha platforms
Using Carbide.c++	update	20110825043236	hamishwillee	The original text is based on a Symbian Press booklet and was updated for the v2.0.4 release. Carbide.c++ is now at v3.2 (or later) so this article is due a review and possible refresh.
Bondi Widget porting example - geolocation API	update	20110601063854	hamishwillee	The article is dependent on a wgt package from Bondi that is no longer available (geo.wgt) because the site has merged with another. If anyone can find the linked package this header can be removed.
MiB With Inneractive	update	20131122002952	hamishwillee (talk)	Inneractive now work with Nokia developers directly. This article needs to be retested. All references to NAX should be removed as part of testing/update.
Locate Map Center Via Inputting Latitude and Longitude	update	20130409060018	hamishwillee	Content in this article is already covered in <a href="#">HERE Maps API - Add Maps To Any Web Page</a> and <a href="#">HERE Maps API - How to pan the map</a> . It is also documented on the JavaScript Explorer at: <a href="http://developer.here.com/apiexplorer/examples/api-for-js/map/panning-the-map.html">http://developer.here.com/apiexplorer/examples/api-for-js/map/panning-the-map.html</a> . Strongly recommend deletion unless material can be updated and made in some way "unique". Pending response from developer
Create your first WRT widget using an IDE	update	20110815055345	hamishwillee	This is based on Aptana IDE, which has been superseded by <a href="#">Nokia Web Tools</a> . This is a useful topic but should be updated to use recommended tools.
Haptics effects in Qt	update	20120302052433	hamishwillee	<a href="#">Qt Quick</a> should be used to demonstrate this API - UI development on mobile devices using Qt C++ is deprecated.
Symbian C++ Hello World	update	20110825022158	hamishwillee	Need to verify images and instructions for current version of carbide - this was done for version in ADT and a lot has moved on since then. Fundamentally the article should be OK though, so this is a minor change
Qt中访问公共的桌面服务	update	20111021055421	hamishwillee	This was written when Qt was in pre-release (garden). It needs to be verified against current releases and the links (now broken) need to be updated to the right place.
Implementando publicidade usando Nokia NAX em aplicações Windows Phone	update	20131122002836	hamishwillee (talk)	Inneractive now work with Nokia developers directly. This article needs to be retested. All references to NAX should be removed as part of testing/update.
How to hide your application from running tasks list, and how to hide the round circle over your running application icon	update	20120802015302	hamishwillee	This article duplicates information in <a href="#">Hiding an app from the task list on Symbian</a> , <a href="#">How to Hide Application from User Menu</a> , <a href="#">Keeping a Symbian application running in the background on exit</a> . It should be redirected to those, but first should check whether any of the information here is useful and should be included in those documents.
Bondi Widget porting example - devicestatus API	update	20110601063634	hamishwillee	The article is dependent on a wgt package from Bondi that is no longer available (Charge.wgt) because the site has merged with another. If anyone can find the linked package this header can be removed.
Qt Mobility Usage Scenario: The mSense middleware	update	20110413053306	-	Uses Mobile Extensions which are deprecated. Would be better to use Qt Mobility APIs. Also needs retesting against <a href="#">Qt SDK</a> as older toolchain no longer supplied.
Using Carbide.c++/ru	update	20110825043236	hamishwillee	The original text is based on a Symbian Press booklet and was updated for the v2.0.4 release. Carbide.c++ is now at v3.2 (or later) so this article is due a review and possible refresh.
Open Signed Offline (Symbian Signed) zh-hans	update	20111114024911	hamishwillee	"open signed offline <i>branding</i> no longer used. Developer Certificates can now be obtained from any SS login for a number of phones, or you can certify the SS account to get access on more. This needs to be aligned with SS branding from the user guide and

<a href="#">Como descobrir o total de memória do celular com Java ME</a>	update	20130630124508	Ipvalente	category page. O artigo fala sobre uma versão antiga do Symbian, mas não fala sobre as plataformas atuais, como Asha
<a href="#">Carbide.c++ UI Designer</a>	update	20110825044938	hamishwillee	Article is missing images. It needs to be reviewed for accuracy.
<a href="#">Signed to Either Operator or Manufacturer Domain</a>	update	20120719065237	hamishwillee	Moderators note:- There is a need for cross reference and citation for example to the article <a href="#">How to get IMEI in Java ME</a> and therefore this text could have been better by being added to the original article. - added to template by HamishW
<a href="#">Carbide.c++ Professional (RU)</a>	update		-	Carbide branding has simplified and it is likely that this is out of date. Should probably delete and simply point to the information on <a href="http://www.developer.nokia.com/Resources/Tools_and_downloads/Other/Carbide.c++/">http://www.developer.nokia.com/Resources/Tools_and_downloads/Other/Carbide.c++/</a>
<a href="#">How to play multiple sound fx in Java ME</a>	update	20120928043825	hamishwillee	An article with relatively complicated code like this should deliver the sound manager in an assembly, along with test code. Ideally it should also state what platforms it has been tested on, and also provide links to other Sound managers, and explanation of why it is better. There is a warning from Infomedica in comments (reproduced below) which shows that this layout has problems on some devices. This needs to be checked and this article either updated with a warning or a workaround.
<a href="#">How to show Table layout data in a MIDP Form</a>	update	20120711062857	hamishwillee	The comment from Infomedica was "It should be noted that as of July 2011 the current version of.netbeans's TableItem control has some serious difficulties in order to be properly rendered on S60 series. There is a number of posts on forums that can be googled - but no solution yet... The problems concerns in majority larger tables which have height grater than the screen. At least on Nokias E52 it does not scroll down till the end of the table."
<a href="#">How to play video streaming in Java ME</a>	update	20130729105012	hamishwillee (talk)	There are many reported errors in the comments.
<a href="#">Eliminating Memory Leaks in Symbian C++ Code</a>	update	20110825054651	hamishwillee	Article is still of lots of value. However the instructions for debugging may not work on current IDEs and need to be updated. Certainly hooklogger provides easier mechanisms for finding bad cells on the Emulator ... and I understand that there are new memory tracking tools for analysing leaks, and these need to be mentioned too. JSR-229 is not supported on Nokia phones. It is not clear whether this payment API would work and whether there are alternatives on Nokia platforms now. I'm not an expert on Java ME though, so if a java me expert could comment on an appropriate title for the article and whether the code is "good", that would be helpful we can update this article appropriately
<a href="#">Another Prototype Java ME payment API using HTTP</a>	update	20110826001515	hamishwillee	The information in this TS needs to be updated, it does not reflect the info from <a href="#">TSS000614 - SIS installation on the S60 3rd Edition emulator</a> -- Itomuta
<a href="#">How to install new themes in the S60 3rd Edition emulator</a>	update	20121117213738	Ipvalente	The article is still useful and fairly up to date. However it has broken links to the toolchain "Raptor". This information needs to be expanded because abld is now deprecated.
<a href="#">Fundamentals of Symbian C++/Tool Chain</a>	update	20110824080411	hamishwillee	While it remains largely accurate it states that Qt doesn't allow update of properties through IPC. Now out of date due to introduction of <a href="#">Publish &amp; Subscribe</a> .
<a href="#">Properties in Qt and Symbian</a>	update	20110415041404	hamishwillee	Article not really to wiki standards in terms of content and layout. Happy enough to have a quality overview, but would prefer this linked to other definition information elsewhere, with only very high level information here.
<a href="#">JSR 135</a>	update	20130816064916	hamishwillee (talk)	The process if now completely different - devcerts are requested by specifying IMEIs etc through the site and access to more powerful capabilities is granted by verifying your account. This article is therefore completely incorrect and needs to be updated or deleted.
<a href="#">Requesting extended capabilities set for Developer Certificates</a>	update	20111123033359	hamishwillee	Instructions are not clear and it is not obvious what versions of Netbeans and JUnit and what devices have been tested on. It is likely that this is very out of date.
<a href="#">Unit testing with JUnit and NetBeans IDE</a>	update	20130724005637	hamishwillee (talk)	Article lists a number of VoIP applications at the time it was written (2007). Either the article should be updated with more current VoIP applications (perhaps links to Ovi store) or it should be deleted.
<a href="#">VoIP приложения</a>	update	20110823063446	hamishwillee	Please re-translate <a href="#">Symbian Signed For Testing Your Application</a> . At high level the changes are: <ul style="list-style-type: none"> <li>Developer Certificates are now granted to both individuals and companies through the site - as a result Open Signed Online is no longer needed and has been discontinued.</li> <li>Open Signed Offline is no longer used as a term - instead instructions on how to get a devcert are given in the user guide: <a href="#">User guide: Symbian Signed</a>.</li> </ul> Note: Some rough changes made below, but these need to be checked by native speaker (or even better full retranslation).
<a href="#">Symbian Signed For Testing Your Application/zh-hans</a>	update	20110902013436	hamishwillee	I've removed all the links to the now removed developer.symbian.com site. These should be updated with links to this site - note that much of the content was migrated, as discussed in <a href="#">Symbian Foundation Content Migration Project</a> but its easier for a native Russian speaker to integrate it. The article only explains 2 of the captions strings. Presumably it omits the PKG file string which is used by the installer. This article also refers to aif file, and should be updated to refer to the S60 3rd Edition resource file name (I believe the behaviour is the same other than the file name)
<a href="#">Знакомство с C-классами</a>	update	20110510075922	hamishwillee	The article has no explanation of what it does other than the heading. It should be extended to state the type of choice group created, display and image and link to reference documentation. It should perhaps be merged with <a href="#">Choice group</a>
<a href="#">Different application caption strings</a>	update	20120130060510	hamishwillee	
<a href="#">How to create ChoiceGroup in LCDUI</a>	update	20120927060302	hamishwillee	

如何在WRT widget应用中 使用折叠控件 (Accordion)	update	20111020001946	hamishwillee	Duplicate of <a href="#">Web Runtime WidgetでAccordionを使用する方法</a> . Articles should be merged.
Como desenvolver uma aplicação para Series 40	update	20130707123010	Ipvalente (talk)	O artigo está desatualizado
Big Picture : Nokia Technology Platforms	update	20110627001322	hamishwillee	This omits MeeGo and Windows Phone as platforms, and Qt as a development framework The article suggests a pattern for allowing you to determine at runtime what code to run, allowing a single JAR to support multiple device configurations. However it is not very clearly described. If this has value it needs to be described better. Ideally with links to other documents on this pattern, and other patterns which can be used to achieve similar results. Title needs to be better too. Something similar to this is covered in <a href="#">Creating a Map Type Selector for the Maps API for Java ME</a> does something similar by detecting the presence of a particular class needed.
No more portings-designing scalable games	update	20120809052623	hamishwillee	Accurate prior to Symbian OS v9. Needs an up Symbian OS 9.x+
Build Targets	update	-	-	Article incomplete - the description of MeeGo has no comments, and the explanation for Symbian is empty. Also Qt is the application development framework for both platforms, and this should also be demonstrated.
Using bitmaps with Symbian and Maemo Platforms	update	20111117024742	hamishwillee	The test widget package on which this depends is no longer available (/bondi.webvm.net/test.wgt). This needs to be relocated or the article needs to be updated to work off a new base widget.
Bondi Widget porting example - standard Javascript	update	20111128024827	hamishwillee	This article pre-dates much of the static site content. It should be reviewed against the current information in the static site and either updated or deleted. I do believe there is a place for an overview like this if the terms and conditions are fairly complicated. The article was written in 2007 and has not had a significant update since (except I've removed links to now defunct Symbian.com). The resources need to be updated as they are very old, and probably this whole document should be merged into an "About Symbian C++" topic.
Overview of Terms and Conditions of Ovi Publishing for Individual developers	update	20111012032020	hamishwillee	There isn't a problem with this article, this is just a note for demonstration
Symbian discussion forums and newsgroups	update	20110510055247	hamishwillee	Name doesn't match content, and in any case this is extremely minimal "article". Suggest this can probably be removed, or renamed "How to get the current locale"
Sandbox/Hamishwillee/WikiTests/InformationBoxes	update	20110608051524	hamishwillee	This article was pointing to old templates and tools. I've updated to correct links (ie Nokia Web Tools) but the actual text should be retested in line with the new tools.
Internationalization for JavaME	update	20130723064644	hamishwillee (talk)	This is a code dump, not an article. Explanation required of the key parts, and ideally a buildable example and links to associated reference material.
Before you start (mobile web page development)	update	20110606005229	hamishwillee	The article has no explanation or links to official documentation. It should be extended minimally to link to reference documentation for Symbian C++ and also have a brief explanation of the code.
How to get KeyCode , Screen Size & Device platform in Java ME ?	update	20120927060920	hamishwillee	Useful information if true. Best to raise a defect in the bug system. As is this is not particularly sufficient - should link to SDK in the ArticleMetaData.
Symbian: playing with fonts	update	20120927055235	hamishwillee	This is a code dump, not an article. Ideally this should have some explanation added along with a downloadable zip file example, and a link to reference material on J2ME unit.
A Error of Nokia Web Tools 1.2.1	update	20111019045650	hamishwillee	Article should add Symbian^3 SDK and also explain clearly that Qt/Qt Quick are recommended instead of Symbian C++

Note, this depends on [Template:ArticleNeedsUpdate.dpl](#)

## Default appearance

The default appearance of the template, without the unnamed explanatory parameter specified, is shown below:

 This article needs to be updated: If you found this article useful, please fix the problems below then delete the `{{ArticleNeedsUpdate}}` template from the article to remove this warning.

**Reasons:**  
PLEASE STATE REASON(S) FOR UPDATE.