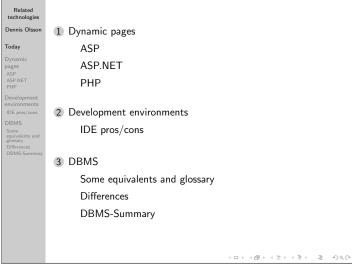
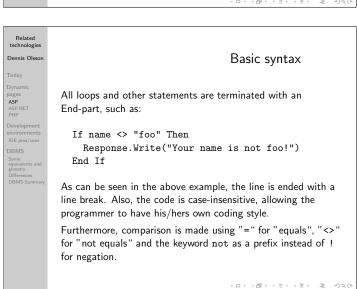
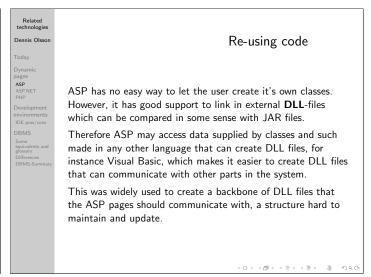
Related technologies
ennis Olsson
Today
Dynamic pages
ASP ASP.NET PHP
Development environments
IDE pros/cons DBMS
Some equivalents and glossary Differences DBMS-Summary



Related technologies	
Dennis Olsson	ASP – Language description
Today	
Dynamic pages ASP ASP.NET PHP Development	Active Server Pages was first distributed with IIS 3.0 in December 1996. The language (VBscript) is very similar to
DBMS Some equivalents and glossary Differences	(Visual) Basic making it easy to read and understand, but also "isolates" the language from the main stream of languages such as C and all it's followers.
DBMS-Summary	The language uses objects, like Java, but makes it much harder to write own objects and such to include. Variables are weakly typed.
	Finally, each page is parsed once for every visited.
	(ロ) (國) (불) (불) (불) (호 () (()



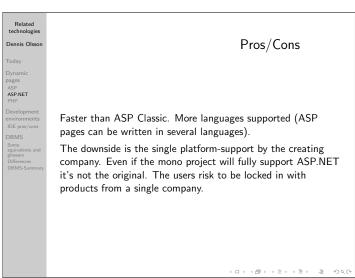
Related technologies	Di 6
Dennis Olsson Today Dynamic	Platforms
pages ASP ASP.NET PHP Development environments IDE pros/cons DBMS Some equivalents and Differences DBMS-Summary	Since ASP was developed by Microsoft, the best support only exists on Windows platforms. However, there is a module called Apache::ASP for the web server Apache, allowing ASP to run on almost any platform. Other implementations of ASP-parsing web servers has popped up, and died, throughout the years.
	<ロ> (日) (日) (音) (注) (注) (注) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4



Related technologies Dennis Olsson Today Dynamic pages ASP ASP ASP ASP ASP PHP DECEMBER 2008 DBMS Summary The best support exists only on Windows platforms. The coding style differs a lot from most other languages. It's hard to structure the code for use in larger projects. The pages can run on any platform with third party tools. Inclusion of external libraries is easy if you're an administrator that can register them.

Related technologies Dennis Olsson	ASP.NET – Language description
Dynamic pages ASP	The language is a modern successor of ASP. It has error handling and better class creation support. ASP.NET has a lot of interesting features such as memory leak-handling by reloading parts of the execution tree. Opposed to classic ASP, each page is compiled on the first visit and then cached for upcoming visits until the file itself changes, just like JSP. Since ASP.NET is a part of .NET it has access to its complete class library, giving a huge API to work with.

Related technologies Dennis Olsson Today Dynamic pages	Platforms
ASP. MET PHP PASP.NET PHP Development environments IDE pros/cons DBMS Some equivalents and glossary Differences DBMS-Summary	ASP.NET is created by Microsoft and therefore only has support for Windows. However, the Mono-project aims to fully support .NET on the Linux, Solaris, Mac OS X, Windows, and Unix platforms. Mono also has a module for Apache enabling it to run ASP.NET-applications almost completely. Some issues still remain.



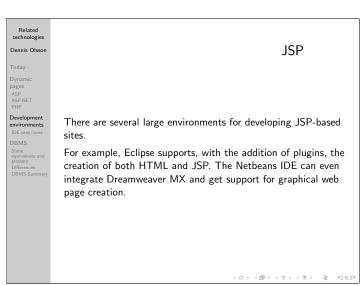
Related technologies Dennis Olsson Today Dynamic pages	PHP – Language description
ASP. ASP. ASP. NET PHP Development environments IDE pros/cons DBMS Some equivalents and glossay. DIfferences DBMS-Summary	PHP was created in -94 by a programmer to make his homepage more dynamic and to be able to collect information such as the number of visitors. The recent version, PHP5, has a syntax similar to Java. It also has support for defining classes inside the source code for the page. All variables are dynamically typed, meaning it can contain an integer, a string or an object. There is no way to restrict it.
	·ロ・・ほ・・き・・き・ そ かくで

Related technologies	
Dennis Olsson	Execution of code
Today	
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons	The pages are, just as ASP, parsed each time they are visited. This can be accelerated using other software, but not natively.
Some equivalents and glossary Differences DBMS-Summary	There is also software that can optimize the code, making the execution faster. PHP source code can also be compiled, and then just simply executed when the page is loaded, but support for this is also from a third party.
	< ロ> (問) (言) (言) (言) (言) (言) (で) (つ) (つ) (つ) (つ) (つ) (つ) (つ) (つ) (つ) (つ

Related technologies Dennis Olsson Today	Platforms
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons	
DBMS Some equivalents and glossary DBMS-Summary	PHP may be runned on almost any platform. It can be runned with Apache, IIS, or almost any other web server.
	<□> <酉> <₹> <₹> <₹> √2(€)

Related technologies Dennis Olsson	Pros/Cons
Dynamic Dages ASP. ASP. NET PHP Development environments IDE pros/cons DBMS Some equivalents and glossam DBMS-Summary	PHP is widely used, and has a bad rumor created by many security issues, which of most are solved. It has a large, well documented, API, and the ability to define classes in the web-page code. Furthermore it's cross platform compatible. One downside is it's API. Instead of having hundreds of classes performing their task on their type (for instance String.toLower), PHP has today 5177 loose functions. Also, they have no real naming convention.
	When sites grow, the structure needed to maintain order within the code does not exist in PHP. Therefore sites does not scale well concerning load-balancing and code structure.

Related technologies	
Dennis Olsson	Development environments
Today	
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons DBMS Some equivalents and glossary DBMS-Summary	There are numerous tools to help with development of dynamic web pages. Some support the creating of GUI, and others only support the code writing process by tab completion. No matter what editor used, it should at least provide syntax highlighting.



Related technologies Dennis Olsson Today	ASP.NET
pages ASP ASPNET PHP Development environments IDE pros/cons DBMS Some glossary Differences DBMS-Summary	Since ASP.NET is a part of .NET, it uses the same editor as other parts of .NET. By creating web pages in the GUI-builder, a programmer used to making regular programs can easily create an advanced, interactive, website in his/hers regular programming language. This also makes it easy to migrate a .NET program to a web environment.

Related technologies	
Dennis Olsson	ASP/PHP
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons DBMS Some equivalents and glossary Differences DBMS-Summary	Both ASP and PHP lack a dedicated environment, but is on the other hand supported by, for instance, Dreamweaver for syntax highlighting.
	Debugging is harder, and even though there are for example compilers for PHP, there are no general way to debug scripts, except by debug printing.
	<ロ> (費) (差) (差) (を) (を) (を) (を) (を) (を) (を) (を) (を) (を

Related technologies Dennis Olson Today Dynamic pages ASP ASP ASP T PHP Development environments IDE prox/coss DBMS Some equivalents and glossary DEMS-Summary D

Related technologies Dennis Olsson Today	IDE cons
Dynamic pages ASP ASP.NET PHP Development environments IDE pros/cons	Cross-browser support is mainly graphical, since for instance Firefox and IE interprets different parts of the CSS standard in different ways. This will not be a problem if a descent IDE is used.
Some equivalents and glossary Differences DBMS-Summary	Accessibility issues is about the flow in the page as well as the design. The problem here is also AJAX, leaving blind people dead in the water, since visual changes aren't seen.
	Traffic amount problems may happen when style sheets etc. is included inside the same document as the content. If this doubles the size of the file, it doubles the traffic load since regular style sheets would be cached by the client.
	(D) (B) (E) (E) & DQO

	4 D > 4 D > 4 Z > 4 Z > - Z - 4)Q(*)
Related technologies Dennis Olsson	IDE cautions
Today Dynamic pages ASP ASPNET PHP Development environments IDE pros/cons DBMS Some equivalents and glossary Differences DBMS-Summary	Finally some things to take into notice: think ahead. Even if the pages are used on an intranet, there may be handicapped employees in the future, the company may expand past the high-speed internet connections, and the company may have several systems on the workstations in the future.
	Don't rely on the ease of changing things. Remember the year 2000.

Related technologies Dennis Olsson Today	IDE pros
pages ASP ASP.NET PHP Development environments IDE pros/cons DBMS	Enough bashing. A descent IDE will speed things up tremendously, especially if features such as GUI building etc. is used.
Some equivalents and glossary Differences DBMS-Summary	The previous issues may not even be issues when the pages are used in for instance for prototyping. Also, the code can be adjusted by hand, but make sure that the IDE does not erase the changes when the GUI is modified later on.
	The code can also be generated at first, and then adjusted by professionals to confirm with standards withing the company.
	←□ > ←□ > ←□ > ←□ > ←□ > ←□ > ←□ > ←□

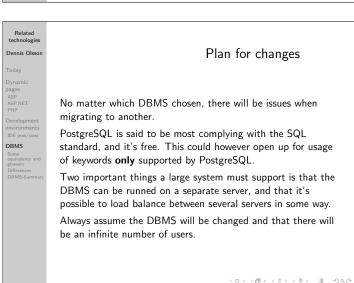
Related technologies Dennis Olsson Today	IDE pros
Dynamic pages ASP ASP MET PHP Development environments IDE pros/cons DBMS Some equivalents and glossary Differences DBMS-Summary	The pros with for instance .NET is that very few people use anything else, including employees, so a person familiar with the IDE will be familiar with the environment at a new job. The same program used for writing the code can also debug it, assist with code generation, warn for future issues, provide an overview of the source tree, assist with revision control.

Related technologies Dennis Olsson	IDE – Finally
Dynamic pages ASP, ASP,NET PHP Development environments IDE pros/cons DBMS Some equivalents and glossary Differences DBMS-Summary	Have a clue what happens beneath the surface of the tools you use in the IDE that affect the result. It will help you in fixing problems later on. Remember: Each tool has it's purpose.

Related technologies Dennis Olsson Database management system Today Dynamic pages ASP NET PHP Development environments UICE peak/cons DBMS Some Guivivalents and Differences DBMS-Summary A DBMS is a system allowing a user to save some data in a structured form. The most common type is the Relational Database using the standard called SQL, which is a text-based language for communicating with a database.

Related technologies Dennis Olsson Today	Pronunciation
pages ASP ASP.NET PHP	
Development environments IDE pros/cons DBMS	SQL should be pronounced each letter at a time, and preferably not "sequel" as some do, since SEQUEL (acronym for
Some equivalents and glossary Differences DBMS-Summary	Structured English Query Language) which is another database query language which was used as a base for SQL.
	Calling SQL SEQUEL would be like calling C++ C. Not entirely wrong, but not correct either.
	<□▷ (B) (분) 분 9<@

Related technologies Dennis Olsson	Differences between DBMS
Today	
Dynamic pages ASP ASP.NET PHP Development environments IDE pros/cons DBMS Some equivalents and glossary	There are numerous aspects to have in mind when choosing a DBMS. However, performance does not have to be the main issue. Another server is cheaper than a lot of time spent on configuration, support, etc.
Differences DBMS-Summary	A major concern may instead be the feature-list.
	Be aware of neat features that is unique to one product, since it's a one-way ticket to be locked in with one vendor.
	(D) (B) (E) (E) & 9Q0



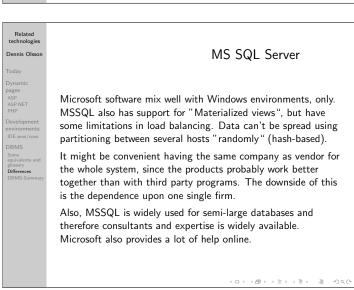
Related technologies	
Dennis Olsson	Some equivalents and glossary
Today	
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons	A basic set of differences and equivalents between Oracle , MS
DBMS Some equivalents and	SQL Server, MySQL and PostgreSQL will be discussed. These are the four systems referred to as "all DBMS" below.
glossary Differences DBMS-Summary	The expression "all platforms" translate to Windows, Mac OS
	X, Linux, BSD and UNIX.
	<□> <酉> <₹> <₹> <₹> <₹> <0.00

Related technologies Dennis Olsson	Some equivalents and glossary
Today Dynamic pages ASP ASP.NET PHP Development environments IDE pros/cons DBMS Some	All DBMS supports transactions , which is a way of giving the server a large job, and letting it do everything at once. Either all or nothing succeeds. This can speed things up hundreds of times.
equivalents and glossary Differences DBMS-Summary	Unicode is also supported, and is the standard character set for Java. It allows for over a million separate characters in the language. The most generous estimate of possible need is estimated to about quarter-million characters.

Some equivalents and glossary Today Dynamic pages ASP ASP NET PHP Development equivalents and subset of data from the database, the data must sometimes be handled and worked on in a new table before the result is returned. These tables are called Temporary tables, and are supported by all systems. Such a datable is removed when the session is terminated. There is also support for trigged events upon certain changed, joining results from several tables, some kind of own data types and functions.

Related technologies	
Dennis Olsson	Differences
Today	
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons	The differences between these systems are not tremendous, and this list is far from complete.
Some equivalents and glossary Differences DBMS-Summary	Differences and problems in the area around "PostgreSQL handle one single type of date/time-string wrong" is not handled, but some larger issues are described below.
	<□> <□> < □> < □> < □> < □> < □> < □> <

Related technologies	
Dennis Olsson	Oracle
Today	
Dynamic pages ASP ASP.NET PHP	
Development environments IDE pros/cons DBMS Some equivalents and properties of the p	The Oracle DBMS is suitable for a tremendous amount of data. It is expensive, but fast and works well with large data sets. It runs on all platforms except BSD. It has support for "Materialized view", which is a way to have the same field in different tables, making changes to one of them global.



Related technologies Dennis Olsson Today	MySQL
Dynamic pages ASP ASP.NET PHP Development environments	MySQL is free, as in Open Source. It however costs for commercial companies to use. On the other hand, it runs on "all" platforms, and is known to be easy to install.
IDE pros/cons DBMS Some	Since it costs, the company can give support for the product, making the end user gaining access to expertise.
equivalents and glossary Differences DBMS-Summary	This DBMS does not support Data domain , a way to make custom data type out of the basic ones.
	Also, there is no support for dividing the tables into sections. The standard specifies that tables are placed as:
	database.scheme.table
	MySQL lacks the support for schemes.
	<ロ> <母> <き> <き> <き> を

Related technologies	
Dennis Olsson	PostgreSQL
Today	
Dynamic pages ASP ASP.NET	
PHP	PostgreSQL is Open Source and completely free to use. It runs
Development environments IDE pros/cons	on all major platforms, but is often harder to install than MySQL.
DBMS Some equivalents and glossary Differences DBMS-Summary	The problem with PostgreSQL is when several users accesses the database. The owner of something is the creator. So if I'm allowed to write to a scheme, and create a table no-one else can access, the owner of the scheme can't remove it.
	Also, PostgreSQL is known to be slow, especially with large data sets.
	4 D > 4 B > 4 Z > 4 Z > 2 Z = 50 Q C

Related technologies Dennis Olsson	DBMS-Summary
Dynamic pages ASP, MET PHP Development environments IDE pros/cons DBMS Some applications of the pros/cons DBMS-Some applications of the pros/cons DBMS-Some applications of the pros/cons DBMS-Some applications of the pros/cons DBMS-Summary	As in most cases in real life, you get what you pay for. PostgreSQL is stable and free, but is slow when it comes to large sets of data, and good support might be hard to find. MySQL can be runned on all platforms, and support is provided by the vendor. MSSQL is easy to administrate, and is literally made for the Windows environment. Support can be provided by the vendor and a lot of external companies. Oracle suits tremendous amount of data, and is optimized to work fast.
	(ロ> (전> (분) (분) 분

Related technologies Dennis Olsson Today	Yin-Yang
Dynamic pages ASP MSP MET PHP Development environments IDE pros/cons DBMS Some equivalents and general publifferences DBMS-Summary	The good part of complying with the standard results in a negative impact on performance, and vice versa. All DBMS tend to lock the product in to that particular database, and migrating may be hard, no matter what vendor is chosen. This applies mostly to the optimized keywords not supported by the SQL standard, but the SQL-specified keywords may differ as well. If you want to stay free, use a set of commands available in several DBMS, or create accessors that may be replaced when the DBMS changes.