

Microsoft Internet Information Server (IIS) 6.0 Map

WAS = Web Administration Service

WP = Worker Process

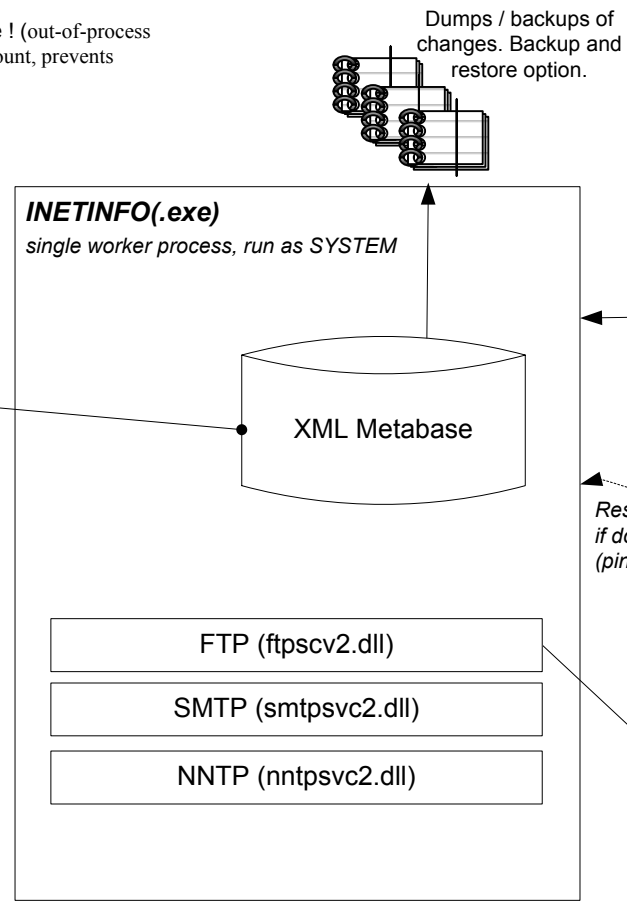
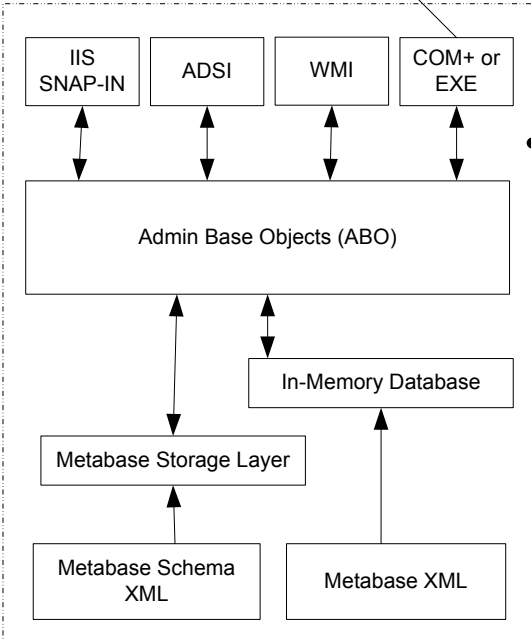
WPIM - Worker Process Isolation Mode

SPI - Service Provider Interface

There are no "in-process" applications in IIS 6.0

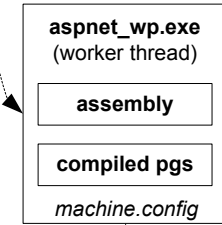
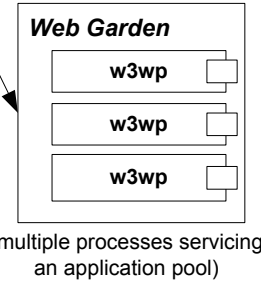
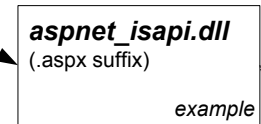
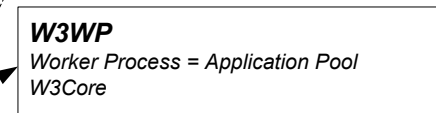
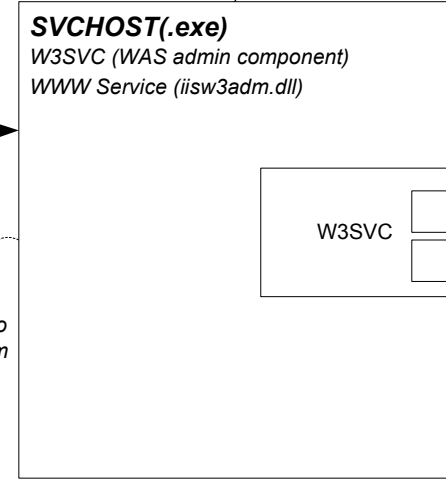
On upgrade of 5.0 to 6.0 - will run in 5.0 isolation mode ! (out-of-process applications run as the local IWAM_<ComputerName> account, prevents constrained delegation from working properly)

Fusion support (specify versions of runtime dll's)
 Partition support
 Tracker support
 Apartment (threading) model selection



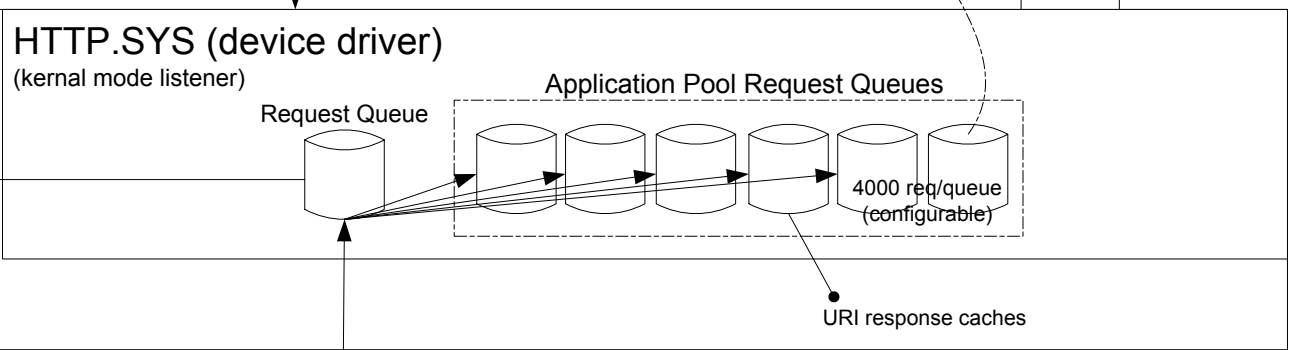
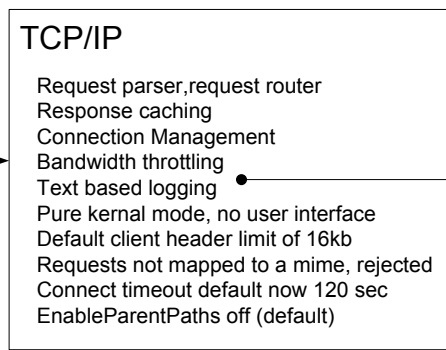
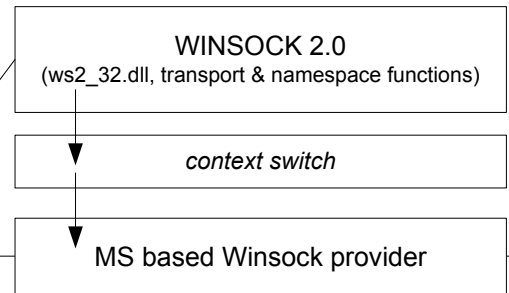
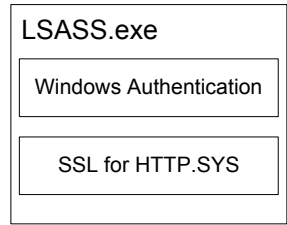
Recycling (1740min default) / overwriting WP's
 Pinging
 Creation
 Config of HTTP.SYS application pool caches
 Crash monitoring and "unhealthy marking"
 W3WP thread deadlock detection
 W3WP pre-registration before HTTP.SYS
 W3WP idle timeout, orphan "ill" processes

Each W3WP serves a single pool
 Can host multiple W3WP per pool (web garden - share requests in round robin fashion, each instance has copy of its own server core code)
 Calls routed direct via HTTP.SYS
 Application pools can have a configured identity
 By default run as a network service
 Can bind to one or more CPU's (mask based config)
 Can be debugged (ntsd w3wp -debug)
 ISAPI Extents and Filters
 Authentication and authorisation
 Workers have their own isolation mode



Only serves static content (default)
 New .Net Passport authentication option
 Gatekeeper authorization to specific URLs
 Persisted ASP templates
 Asynchronous CGI (IIS_WPG NT group)
 ASP Post is limited to 204800 bytes (default)

IIS file caching
 (file change notification and last-modified-time, can be set independently for static and ASP - via registry)



Direct pull from queue
 (IIS 6.0 supports - ASCII, UTF-8 log files, binary HTTP sub-status information (404.x) standard log file formats), supports UNC path for log file location

*.ibl files
 (binary logging enabled), use Log Parser tool from MS to read
 HTTPERR.LOG

Transport and namespace functions
 Allows dynamic interconnection at runtime. Transport SPI for back-end provides to support front end providers with TCP/IP functions & transport functions for IPX/SPX. Namespace functions for name resolution (DNS, NDS, X.500)

USER MODE
 KERNEL MODE

HTTP Requests