



Developer Environment

nexidia 

APPLICATION	DESCRIPTION/FEATURES & BENEFITS	HARDWARE & SOFTWARE REQUIREMENTS
<p>Nexidia Workbench Software Development Kit (SDK)</p> <p>Nexidia's primary application programming interface tool and provides developers with access to all the core capabilities of the Nexidia phonetic indexing and search solutions.</p>	<p>FEATURES & BENEFITS:</p> <p>Indexing:</p> <ul style="list-style-type: none"> > Rapidly create phonetic index (.PAT) files from media files which can be subsequently searched > Index speeds now up to 2,211 times real-time <p>Searching:</p> <ul style="list-style-type: none"> > Industry-leading accuracy with performance speeds that scale with the hardware <p>Structured Queries:</p> <ul style="list-style-type: none"> > Supports complex queries with the use of Boolean operators, i.e AND, OR, and ANDNOT <p>Language Identification:</p> <ul style="list-style-type: none"> > Automates the process of identifying languages, even dialects; can identify gender, DTMF tones, silence, and more. <p>Monitoring & Scanning:</p> <ul style="list-style-type: none"> > Real time monitoring and alerts of audio content, up to 1000 streams per server <p>Media Classification:</p> <ul style="list-style-type: none"> > Identifies media file features including speech vs. non-speech, silence, DTMF tone and gender detection <p>Search Term Optimization:</p> <ul style="list-style-type: none"> > Refine search terms based on actual hits and false alarms > Create search terms based on audio clips in which the search phrase is spoken <p>Duplicate Spotting:</p> <ul style="list-style-type: none"> > Quickly and very accurately detect segments of audio, such as hold music, duplicated across two or more media files <p>Speaker Identification:</p> <ul style="list-style-type: none"> > Rapidly identify speakers of interest based on as little as 30 seconds of representative speaker samples <p>Media Accessor Framework:</p> <ul style="list-style-type: none"> > A complete framework to support decoding streaming or file-based media. Highly configurable and extensible. Broad media file format support, including AIF, AIFC, AIFF, ASF, AU, AUD, AVI, FLV, MOV, MP2, MP3, MP4, MPEG, MPG, MPG4, NMF, QT, VOX, VX8, WAV, WMA and WMV 	<p>MULTIPLATFORM:</p> <ul style="list-style-type: none"> > Supports Windows XP and later, Linux (RHEL4 and compatible), and Mac OS/X 10.4 and later > 32 and 64-bit available on Windows and Linux <p>C++, JAVA, AND .NET INTERFACES:</p> <ul style="list-style-type: none"> > All features available in C++ using Visual Studio 2005 or 2008 on Windows and gcc on Linux and Mac > C#, VB.NET and other .NET languages are also supported on Windows using Visual Studio 2005 or 2008 > Java API available on Windows, Mac, and Linux support Java SE 1.6 or later <p>EFFICIENT MULTI-PROCESSOR SCALABILITY:</p> <ul style="list-style-type: none"> > All features of Workbench can efficiently execute concurrently and performance scales with the number of cores in the computer <p>FULLY UNICODE COMPLIANT:</p> <ul style="list-style-type: none"> > Supports full Unicode character set for many languages, both orthographic script and common romanizations. For example, Japanese queries can be entered in katakana, hiragana or romaji

DEVELOPER ENVIRONMENT	DESCRIPTION/FEATURES & BENEFITS	HARDWARE & SOFTWARE REQUIREMENTS
<p>Developer Web API</p> <p>Nexidia AudioFinder can function as a web server for other client applications on the same machine to programmatically invoke basic search and filter capabilities. This allows other applications to consume the search and filter results available from Nexidia AudioFinder via the API in any ad-hoc manner desired.</p>	<p>FEATURES & BENEFITS:</p> <ul style="list-style-type: none"> > Notification plug-in API > Scalable with hardware > Easy to Integrate via SOAP based web services 	<p>Minimum system requirements include:</p> <p>PROCESSOR:</p> <ul style="list-style-type: none"> > Dual Intel Pentium 3.2 GHz+ with at least 2 MB L2 or L3 cache (Intel Celeron processors are not supported) <p>MEMORY:</p> <ul style="list-style-type: none"> > 4 GB+ <p>OPERATING SYSTEM:</p> <ul style="list-style-type: none"> > Windows Server 2003 SP2 or later (32-bit) <p>OTHER:</p> <ul style="list-style-type: none"> > SQL Server 2008 R2 > .NET Framework 4.0 > Microsoft Media Player 9.0c, 10, or 11 > Apple QuickTime 7.4.5
<p>Language ID Workbench</p>	<ul style="list-style-type: none"> > Automates the process of identifying languages and dialects, and detects where more than one language is spoken. > Identifies the dominant language and time code segments spoken in a media stream or file > User-trainable to any set of languages 	<p>Same as Workbench (SDK)</p>
<p>Search Grid</p>	<ul style="list-style-type: none"> > Highly scalable audio search infrastructure (millions of files, millions of hours) > Uses a MapReduce architectural model > Incorporates Data replication and automatic failover to minimize impact of node failure > Multi-tenant support enabling hosting of multiple, securely segmented data sets in the same instance of Search Grid > Provides a RESTful web service interface accessible from any programming platform with HTTP and XML support > Data distribution + data affinity and disk cache management, leverages memory caching and maximizes use of available RAM > Low-latency response time for search requests > Ease of use: Client codec examples, available in Microsoft .NET and Oracle java, help get the application running with phonetic audio search quickly > A highly diverse set of supported media codecs including a pluggable framework for adding proprietary codecs 	<p>Minimum system requirements include:</p> <p>PROCESSOR:</p> <p>Intel Core i7, Quad Core, 8 MB L3 Cache RAM</p> <ul style="list-style-type: none"> > 4 GB (32-bit) > 8 GB (64-bit) <p>OPERATING SYSTEM:</p> <ul style="list-style-type: none"> > Windows Server 2003 (32-bit) with Windows Media Player 10 or higher > Windows Server 2008 R2 (64-bit) with the Desktop Experience feature

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