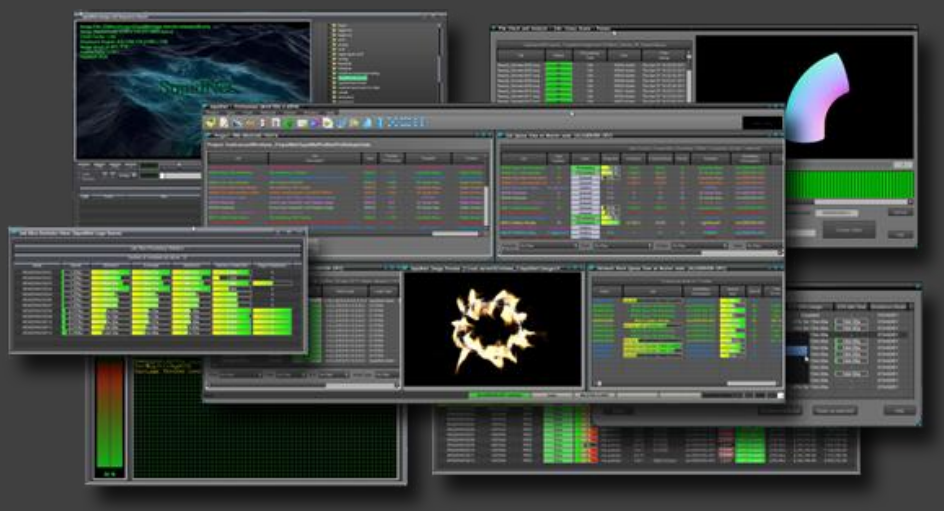
SquidNet

Network Render Manager



RENDER MANAGEMENT

For small render farms, use SquidNet's Peer-to-Peer framework. For larger farms, setup your farm into a Client/Master/Slave configuration.

APPLICATION TEMPLATES

SquidNet uses application job templates for most command-line accessible 3D rendering and compositing applications.

DYNAMIC LOAD BALANCING

SquidNet uses advanced load balancing algorithms to evenly distribute network jobs to render farm nodes.

SMART INTERFACE

Use SquidNet's User Interface to manage network jobs from single or multiple client workstations.

CROSS-PLATFORM

Install SquidNet on your WINDOWS and Linux render farm. **Mac support coming in late 2011 !!**

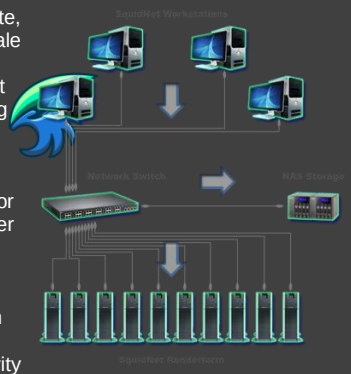
SELF-CONTAINED

All SquidNet installation files are fully self-contained within the main installation folder. No files are ever copied into your system's operating environment.

SquidNet Network Render Manager

Major Release Version 2.66

SquidNet is an advanced network render management system used to reliably distribute, control and monitor network render jobs on small (2-10), medium (10-50) and large scale (50+) render farms. Jobs are managed and evenly distributed across all contributing CPUs ensuring that your render farm's performance is fully maximized. Using the latest networking technologies, SquidNet is designed to be easily installed on your farm using simple UI-based configuration procedures. SquidNet uses highly efficient and scalable load-balancing algorithms to effectively manage complex renderfarm work flows.



After almost 10 months of development, SquidNet Software has released the next major release of its network render management solution. The latest version incorporates over 30 new features. Each new feature is designed to further enhance render farm management on small and large scale production pipelines. Enhancements include:

- **Ease-of-Integration**: Setup for an entire render farm can now be done from within a single render node via SquidNet's User Interface.
- **Performance**: Master node is smart-aware of all slave and client node activity ensuring that networks jobs are processed as efficiently as possible.
- **Scalability:** Enhanced algorithms to handle hundreds of render nodes.
- **Reliability**: SquidNet nodes are designed to run indefinitely. Never requiring process or system restarts.
- **Extensibility**: Designed to extend from 2 nodes to hundreds without any complicated reconfiguration procedures.
- **Improved Administrative Capabilities**: Added flexibility, enhanced reporting, improved workflow support and exception alerts on troubled jobs.
- **Baseline architecture and framework**: The ground work have been put in place to support the next generation of SquidNet (coming late 2011).

New Features include:

- **Simplified configuration**:Render farm configuration can now be done directly from user interface.
- **Image and Sequence Viewer:**View image and image sequences for all supported formats (OpenEXR, PNG, IFF, PNG, etc...) in a standalone application.
- **Power Management:** Automatically shutdown render farm nodes when they're not being used and automatically wake (via WOL) when jobs are submitted.
- **Recent Jobs Manager:** Quickly access and resubmit recently submitted jobs.
- **Updated Templates:** Enhanced support for SoftImage/XSI, Modo, LightWave and Blender3D applications.
- **System Configuration Report**: Capture and save your render farm's configuration.
- **User Account Management**: Enhanced user account management.

Join our growing list of SquidNet clients. Send us an email for a free 30-day unlimited-use evaluation license: support@squidnetsoftware.com

SquidNet

Network Render Manager

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SquidNet
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Additional Features and Requirements

AUTOMATIC NODE DETECTION

SquidNet automatically detects nodes on your local farm. No complicated setup procedures.

EASY INSTALLATION

A single installer is used to install SquidNet on all render farm nodes. Once all nodes are initially installed, SquidNet updates are done using a single interface command.

PROJECT MANAGEMENT

Use SquidNet's project management interface to segment out workflows for each of your clients.

CUSTOMIZABLE INTERFACE

SquidNet's design is completely customizable and extendable. Just send us an email if you're interested in a feature or application that we currently don't support.

For more information on SquidNet, please visit us on the Web at: www.squidnetsoftware.com

System Requirements

- **WINDOWS**:32-bit/64-bitplatforms. (WIN2K, VISTA, WINDOWS SERVER 2003/2008, WIN7)
- **Linux:**X86-based distributions (Redhat, Fedora, Ubuntu, etc..)
- **Client workstations**: Minimum of 1GMB RAM.
- **Master Controller**: Minimum of 1GMBRAM.
- **Slave Render Nodes**: Minimum of 4GMBRAM.
  Disk space: 50MB available for SquidNet installation.
- NAS Storage:For data and content storage.
- Network resources configured for sharing between nodes.
- Network: GB Ethernet recommended.

Features that make a difference:

Project Management
Complete Job Control
Power Management
Network-wide installer
Automatic node detection
Multi-application support
H.264 Video Support
Batch Rendering
Transfer Queue
EMAIL and SMS Support
Application Path Manager
Online Setup and Support
Network Activity Analysis
WOL Support
Availability Schedules.

* 30-day Unlimited Use Evaluation licenses are available upon request.

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