

Components (X)

The Battle for Wesnoth

Architecture Diagram

Connectors (X)

- 1 Simple Directmedia Layer - Manages video and event handling in the display component
- 2 Simple Directmedia Layer Image - Loads PNG and other image formats
- 3 Pango with Cairo - Provides internationalized fonts
- 4 Display Code - Renders the game board, units, animations, and so forth
- 5 Boost - Adds a variety of advanced c++ features
- 6 Lua - Allows scripting of additional game items
- 7 Game Logic - Controls the main gameplay logic using the attached components
- 8 AI Code - Drives the behavior of NPC units within the game
- 9 Python - Allows scripting of additional game items and Artificial Intelligence
- 10 Simple Directmedia Layer Network - Supports Network I/O
- 11 Network - Handles all communication from the client to both the Multiplayer and Content servers
- 12 Content Server - Manages contributor uploaded content
- 13 Multiplayer Server - Manages the interaction of players in multiplayer games
- 14 Content Database - Stores the content used by the Content Server
- 15 Multiplayer Database - Stores the log containing each move by each player as well as player information
- 16 Map Generation Module - Creates random maps for players to use
- 17 Story Line Module - Manages the story events within the system
- 18 Lobby Module - Handles the setup of multiplayer games
- 19 Path Finding Module - Directs the units from one location to another
- 20 WML Parser - Serializes and deserializes WML documents containing game data
- 21 WML Documents - Stores the definitions of Units, Maps, Campaigns and other gameplay objects

