# WinIDS: Adaptive Intrusion Detection System Architecture



Windows Environment

**IDSMonitor**
Data Source

Network Data

**IDSBridge**
Integration

Events

**FastIDS**
Detection Engine

Simulated Traffic

**AttackPanel**
Test/Training

Detection Results

**Reinforcement Learning**
Adaptive Agent

Insights

**ProDashboard**
Visualization

| Data Collection | Integration | Detection | Intelligence | Visualization |

*A Reinforcement Learning-based IDS for Windows Environments*