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# An Open Source DASH Client SDK Demo and Tutorial

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# Agenda

- What is the DASH Client SDK?
- Where can you find it, and when?
- Why was it developed?
- How is the SDK structured?
- What are the interfaces?
- Demo
- Call to Action



# What is the DASH Client SDK?

- A cross-platform WS-CIM Client library
- A set of APIs at the level of CIM intrinsic operations
- A set of APIs at the level of DASH profile use cases
- Bindings:
  - A CLI
  - Sample bindings for scripting languages
  - Sample console integration



## Where and when can you find the DASH Client SDK?

- Where: <http://sourceforge.net/projects/dash-management/>
- When: Early January, 2008

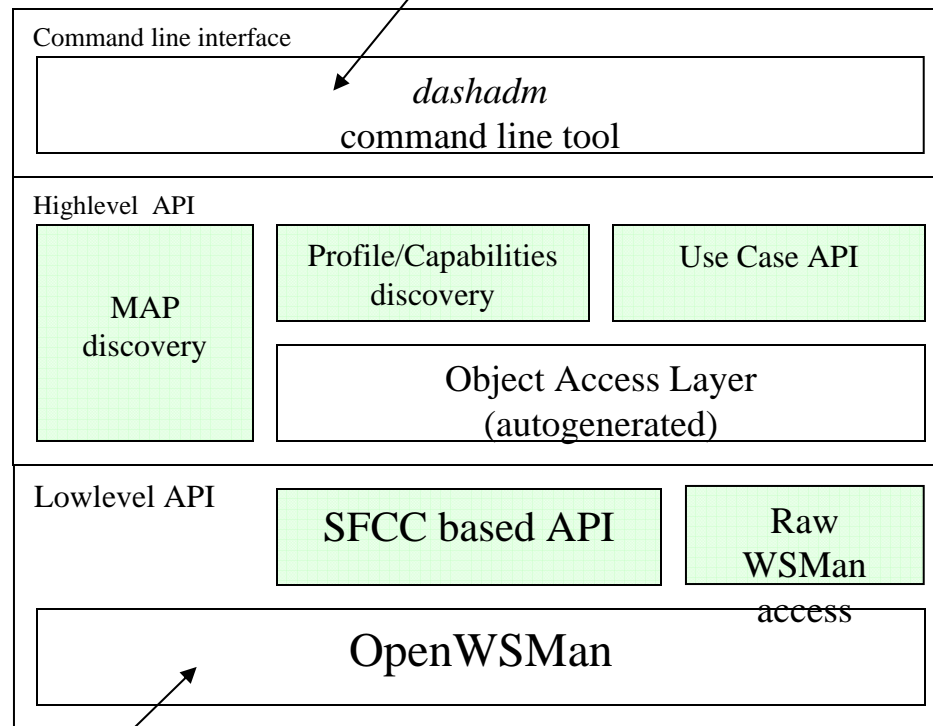


# DASH Console SDK: Why?

- To encourage early and robust implementation of DASH for
  - Management console applications
  - Scripting languages
  - Evaluation tools
- To get DASH capabilities into users hands
- To encourage implementation of solutions using DASH
- To make management of heterogeneous workstation environments just plain easy
- To generate interest and expertise in the management developer community

# How is the SDK structured?

An example of an application bound to the SDK libraries.



Exposed APIs

One of the WS-Man stacks that can be bound to SFCC



# Exposed Interfaces

- Raw WS-Man access
  - Probably of limited use, but client apps can send and receive ws-man XML documents
- sfcc
  - from the sblim project, a popular WBEM API
  - chosen in part because it was designed to be bound to multiple protocols
- DASH MAP Discovery API
  - Return a list of reachable DASH Maps
- Capabilities Discovery API
  - Query support for profiles and optional features
- Use Case API (see below)



# Use Case APIs

- More than 35 are currently defined
- Examples:
  - Power On System
  - Set Fan Speed
  - Get Power Output
- Intended to be the primary interfaces for clients.
- We expect that console vendors and system administrators will want more Use Case APIs and will contribute either code or requirements.



# DEMO





## Call to Action

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- If you want to be informed when code is dropped for the project, give your card to the speaker
- Participate in the open source project!