

# AG Reference 2.0

A Further Work

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# AG 2.0 Reference

- Intended to be a release from which future community releases are derived
- Obstacles to redistribution and derivation will be minimized
  - Extensible, open architecture
  - Open source
  - BSD-like licensing
  - Component designs will be independent of a specific hardware configuration
  - Implemented with portability in mind

# The Face of AGRef 2.0

- More Functionality
- Formal Interfaces which enable folks to write code that will run on the AG

This release will open up future AG development to the community



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# AGRef 2.0 Proposed Baseline Functionality

- Virtual Venues Services
  - Venues with community interconnects
  - Integrated security
    - Globus
  - Presence registry
  - Docking
  - Scalable text chat system
  - Scheduling interface definition

# AGRef 2.0 Proposed Baseline Functionality (cont.)

- Application Services
  - Application interface definition
  - Voyager
- AG Nodes
  - Integrated node user interface
- Network Services
  - Interface definitions

# AGRef 2.0 Wishlist

- AG statistics-logging
- Video
  - Annotation
  - Hi res
- Audio
  - Multi-channel audio
  - Support for more codec
  - Testing and diagnostic tools

Tasks will become more fine-grained over time -  
No need to give up your day job to participate!



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# AGRef 2.0 Wishlist (cont.)

- Shared powerpoint improvements
  - Eliminate content restrictions
  - Ease the problem of slide distribution
- Integrated whiteboard capability
  - Automate operation
  - H323<->AG bridge that supports high-quality audio

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# AG Reference Release Working Areas

Standards Creation

Reference Implementation

Application Integration

Testing

Documentation

Contributions

Release Engineering



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# Application Integration

First task is to develop a programming interface that allows application developers to integrate their apps into the AG

- We need to find three exemplar apps and examine them with people who use them
  - spec out the high-level architecture of AG-app integration
  - Upcoming workshop in May/June

Let me know if you are interested in getting involved in this process



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# Contributions

- NCSA Scheduler
- Remote ppt, University of Kansas
- Open Mash tools, University of CA Berkeley
- NLNR Beacon
- Agave, University of Illinois Electronic Visualization Lab
- Vic/vtk visualization, Argonne National Lab
- Currently looking for contributions...

# Release Schedule

Driven by Baseline Functionality

Timeline TBD



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# Contact Info

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Have ideas, questions comments? Start a dialog.  
Get involved!



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