Dynamic Application Instrumentation System (DAIS) Update

March 18, 1998

Dr. Douglas M. Pase
pase@us.ibm.com
(914) 433-7895

522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363

DAIS Goals

- **Reduce the cost of developing new tools**
- **Reduce the intrusion cost of instrumentation**
- **Create common tools across the industry**
- **Increase the flexibility and interoperability of tools**
- **Increase innovation in tool development**
- **Increase the number and variety of programming tools**

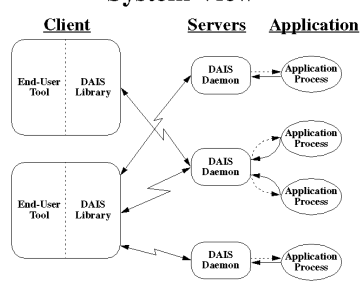
522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363

What DAIS Adds to BPatch

- **Remote process management and instrumentation with authentication**
- **Multiple process management for parallel and unrelated programs**
- **Communication infrastructure**
- **Extensions to BPatch instrumentation (periodically activated instrumentation - phases)**
- **Remote file operations**

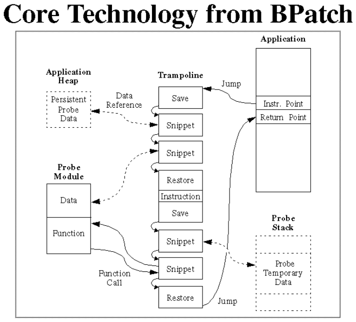
522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363

System View



522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363

Core Technology from BPatch



522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363

Where Are We Now?

- **Legal agreements are avaliable for collaborators**
  1. All information exchanged is nonconfidential
  2. Certificate of Originality required for code or pseudo-code
  3. API and language definition are freely available to the public
- **First draft of system and API reference manuals are well under way**
  1. System reference draft has outline plus about 50% of text fleshed out
  2. API reference draft has most classes and subroutines defined plus textual description of some
- **IBM implementation is well under way**

522 South Road MS-P963
Poughkeepsie, New York 12601
914 433-1234
FAX 914 433-8363