



Eclipse™ Test & Performance Tools Platform (TPTP) Project Project Structure

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TPTP Project Mission / Scope



■ Mission

- The mission of the Eclipse* Test & Performance Project is to build a generic, extensible, standards-based tool platform upon which software developers can create specialized, differentiated, and interoperable offerings for world class test and performance tools

■ Scope

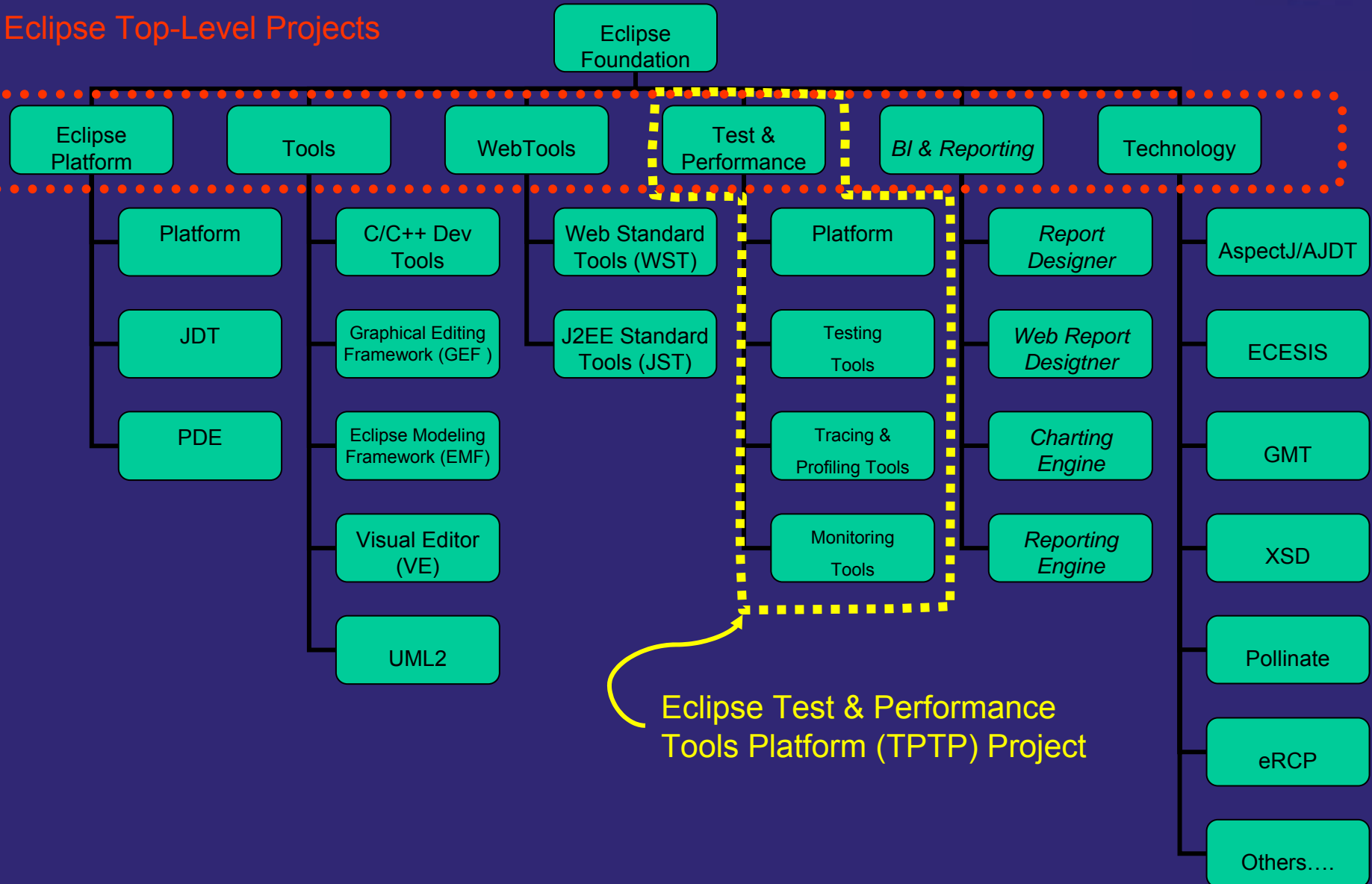
- The Eclipse* Test & Performance Project will extend the family of Eclipse technologies to provide an open development platform supplying frameworks and services for test and performance tools that are used throughout the lifecycle (e.g., testing, tracing/profiling, tuning, logging, monitoring, analysis, autonomics, administration, etc., but not development tools such as optimizing compilers) and support a spectrum of standalone through highly-distributed and embedded through enterprise computing systems

* Info above excerpted from the TPTP charter (http://www.eclipse.org/tptp/groups/PMC/project_charter.html)

Where does TPTP Fit in Eclipse*?

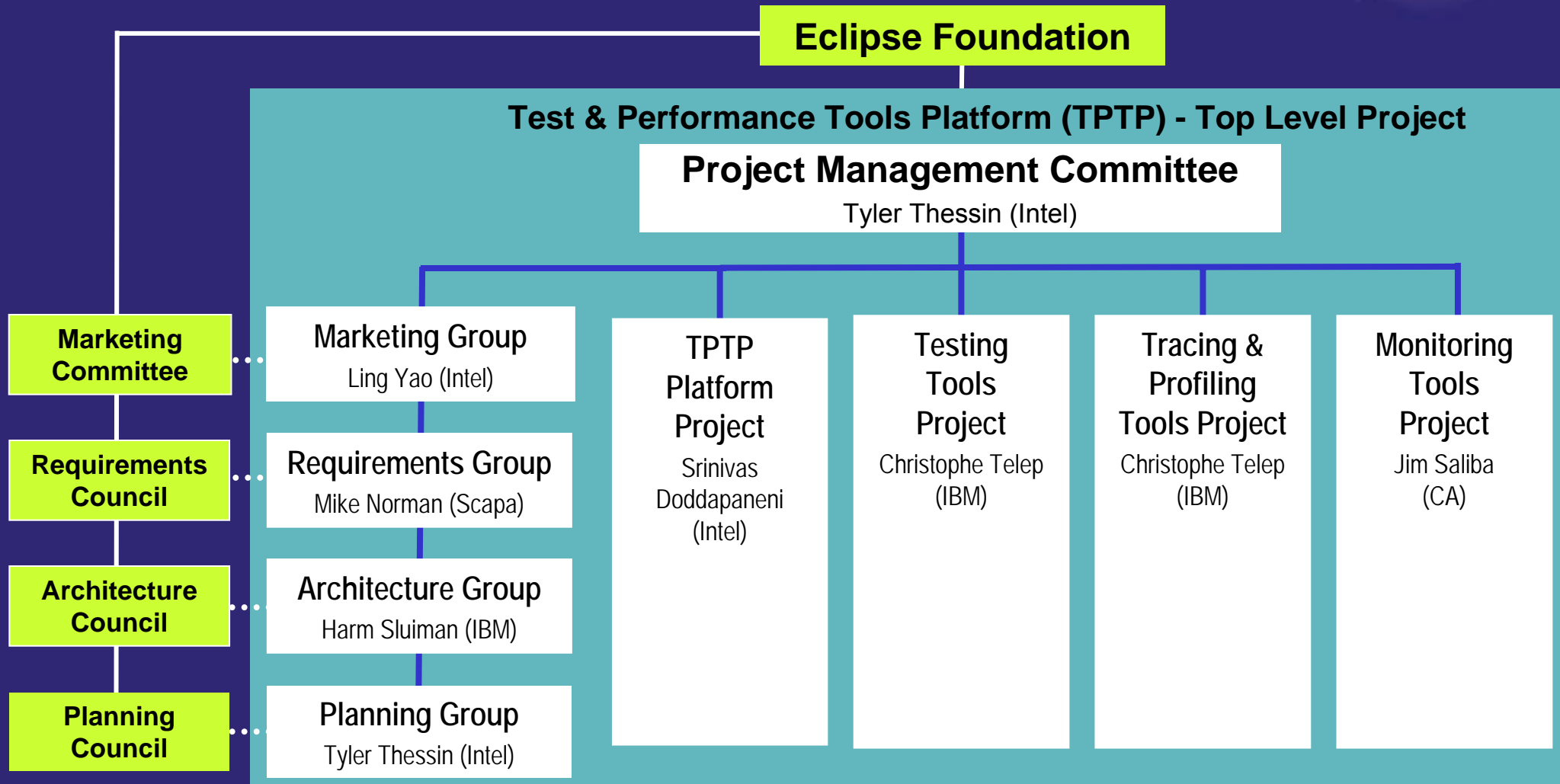


Eclipse Top-Level Projects



Eclipse Test & Performance Tools Platform (TPTP) Project

TPTP Project Organization



TPTP Project Management Committee (PMC)



PMC Member	TPTP Role
Tyler Thessin (Intel)	PMC Lead TPTP Planning Group Chairperson
Harm Sluiman (IBM)	TPTP Architecture Group Chairperson
Mike Norman (Scapa Technologies)	TPTP Requirements Group Chairperson
Ling Yao (Intel)	TPTP Marketing Group Chairperson
Srinivas Doddapaneni (Intel)	TPTP Platform Project Lead
Christophe Telep (IBM)	TPTP Testing Tools Project Lead TPTP Tracing & Profiling Tools Project Lead
James Saliba (Computer Associates)	TPTP Monitoring Tools Project Lead

TPTP Representation to Eclipse Councils & Committees



Eclipse Council / Committee	TPTP Representative
Eclipse Marketing Committee	Ling Yao (Intel) TPTP Marketing Group Chairperson
Eclipse Requirements Council	Mike Norman (Scapa Technologies) TPTP Requirements Group Chairperson
Eclipse Architecture Council	Harm Sluiman (IBM) TPTP Architecture Group Chairperson
Eclipse Planning Council	Tyler Thessin (Intel) TPTP Planning Group Chairperson

TPTP Group Membership



Marketing Group	Requirements Group	Architecture Group	Planning Group
<p>Melanie Woods (Scapa) (Chairperson) Geoff Bessin (IBM) Marie Godfrey (Computer Associates) Bob O'Brien (Compuware) Judy Schramm (OC Systems) Ian Skerrett (Eclipse Foundation) Ling Yao (Intel)</p> <p><u>Other Occasional Participants:</u> François Letellier (ObjectWeb) Diane Weir (IBM)</p>	<p>Mike Norman (Scapa) (Chairperson) Joerg Bischof (SAP) Karla Callaghan (Intel) George Din (FOKUS) Don Ebright (Compuware) Vasya Gorshkov (OC Systems) Christophe Telep (IBM) Jim Saliba (Computer Associates)</p>	<p>Harm Sluiman (IBM) (Chairperson) George Christelis (Scapa) Eugene Chan (IBM) Sri Doddapaneni (Intel) Bob Duncan (IBM) Mark Dunn (IBM) Jerome Gout (IBM) Steve Gutz (IBM) Ruth Lee (IBM) Sheldon Lee-Loy (IBM) Ali Mehregani (IBM) Antony Miguel (Scapa) Jeff Nevicosi (IBM) Valentina Popescu (IBM) Allan Pratt (IBM) Scott Schneider (IBM) Kent Seifkes (IBM) Paul Slauenwhite (IBM) Dave Smith (IBM)</p>	<p>Tyler Thessin (Intel) (Chairperson) Gian Franco Bonini (SAP) Oliver Cole (OC Systems) George Din (FOKUS) Mike Norman (Scapa & RG Chairperson) Brian Roberts (Compuware) Jim Saliba (Computer Associates) Harm Sluiman (IBM & AG Chairperson)</p>

Note: The Marketing, Requirements, and Planning Group membership are defined as representatives of participating organizations whereas the Architecture Group membership is defined as representatives from technical leaders of project development subsystems.

- **TPTP and Projects under its Charter are managed by a small group known as the “TPTP PMC”**

- **The PMC is expected to ensure that:**
 - All Projects operate effectively by providing leadership to guide the Project's overall direction and by removing obstacles, solving problems, and resolving conflicts.
 - All Project plans, technical documents and reports are publicly available.
 - All Projects operate using open source rules of engagement: meritocracy, transparency, and open participation. These principles work together. Anyone can participate in a Project. This open interaction, from answering questions to reporting bugs to making code contributions to creating designs, enables everyone to recognize and utilize the contributions.

- **The PMC has the following responsibilities:**
 - Providing the leadership and vision to guide the Project's overall direction.
 - Providing assistance and support to the developers working on the project by removing obstacles, solving problems, and resolving conflicts.
 - Ensuring that Project plans are produced, and presenting these plans to the EMO.
 - Establishing the development processes and infrastructure needed for the development team to be effective.
 - Recommending new Projects to the EMO, and appointing the Project Lead.
 - Establishing the initial set of Project committers and establishing the procedures for voting in new committers.
 - Helping to ensure that Projects have enough contributors, and helping to fill vacancies in roles.
 - Producing "how to get involved" guidelines to help new potential contributors get started.
 - Coordinating relationships with other Eclipse Foundation Projects.
 - Facilitating code or other donations by individuals or organizations.
 - Working with the EMO and Committers to ensure in-bound contributions are made in accordance with the Eclipse Foundation IP Policy.
 - Representing the Project to the outside world.

* Info above excerpted from the TPTP charter (http://www.eclipse.org/tptp/groups/PMC/project_charter.html)

TPTP Project Summaries



■ TPTP Platform Project

- Provides common infrastructure in the areas of user interface, EMF based data models, data collection and communications control, as well as remote execution environments.
- Additionally, the Platform provides extension points for leveraging or extending these capabilities in solution specific tooling or runtimes. This includes Eclipse workbench plug-ins as well as runtime plug-ins on a target and optionally remote system.

■ TPTP Testing Tools Project

- Provides specializations of the TPTP Platform for testing (e.g. test editors, trace/test conversion support), and exemplary extensible tools for specific testing environments. Initially this includes three test environments: JUnit, manual, and URL testing.
- These specializations provide optimized editing and reporting experiences for these use cases. In the cases where a unique runtime or an implementation of a testability interface is required, it is also developed in the project. For example, the manual test execution environment provides a remotely managed user interface specifically for collecting manual test progress. This manual user interface is unique from the common execution environment for JUnit and URL testing.

■ TPTP Tracing and Profiling Tools Project

- Extends the TPTP Platform with specific data collection for Java and distributed applications that populate the common trace model, additional language and protocol support is anticipated. There are also viewers and analysis services that draw data from the common trace model.
- Capabilities are provided to collect and analyze heap and stack information as well as generic toolkits for instrumenting running applications.

■ TPTP Monitoring Tools Project

- Extends the TPTP Platform for collecting, analyzing, aggregating, and visualizing data that can be captured in the log and statistical models. The typical examples are the collection of system or application resources such as CPU or memory utilization and support for the viewing, aggregation, and analysis of that data.
- Logs can also be transformed into a common format and model allowing for symptom and pattern analysis. The correlation of the data in these models is of particular interest when it is associated with other model instances of statistical or log data as well as traces and tests.

See info http://www.eclipse.org/tptp/groups/Architecture/documents/arch_main.html for more detailed project information.

TPTP Group Roles



■ Marketing Group

- The PMC Lead shall establish an Eclipse Test & Performance Project Marketing Group (the "Marketing Group") responsible for designing and coordinating a marketing communications strategy for the TPTP Project including, e.g., PR, events, website, and materials to help drive expanded adoption, contribution, and usage.
- The PMC Lead will designate the Marketing Group Chair. The Marketing Group shall be comprised of one representative designated by each contributing organization and other individuals designated from time to time by the PMC Lead.
- The Requirements Group will accomplish its objectives by working closely with their represented organizations and individuals, the Project development teams, the Eclipse Marketing Committee, and the ecosystem.

■ Requirements Group

- The PMC Lead shall establish an Eclipse Test & Performance Project Requirements Group (the "Requirements Group") responsible for gathering, reviewing and categorizing incoming requirements, and proposing a coherent set of themes and priorities that will drive the Project Roadmap.
- The PMC Lead will designate the Requirements Group Chair. The Requirements Group shall be comprised of one representative designated by each contributing organization and other individuals designated from time to time by the PMC Lead.
- The Requirements Group will accomplish its objectives by working closely with their represented organizations and individuals, the Project development teams, the Eclipse Requirements Council, and the ecosystem.

■ Architecture Group

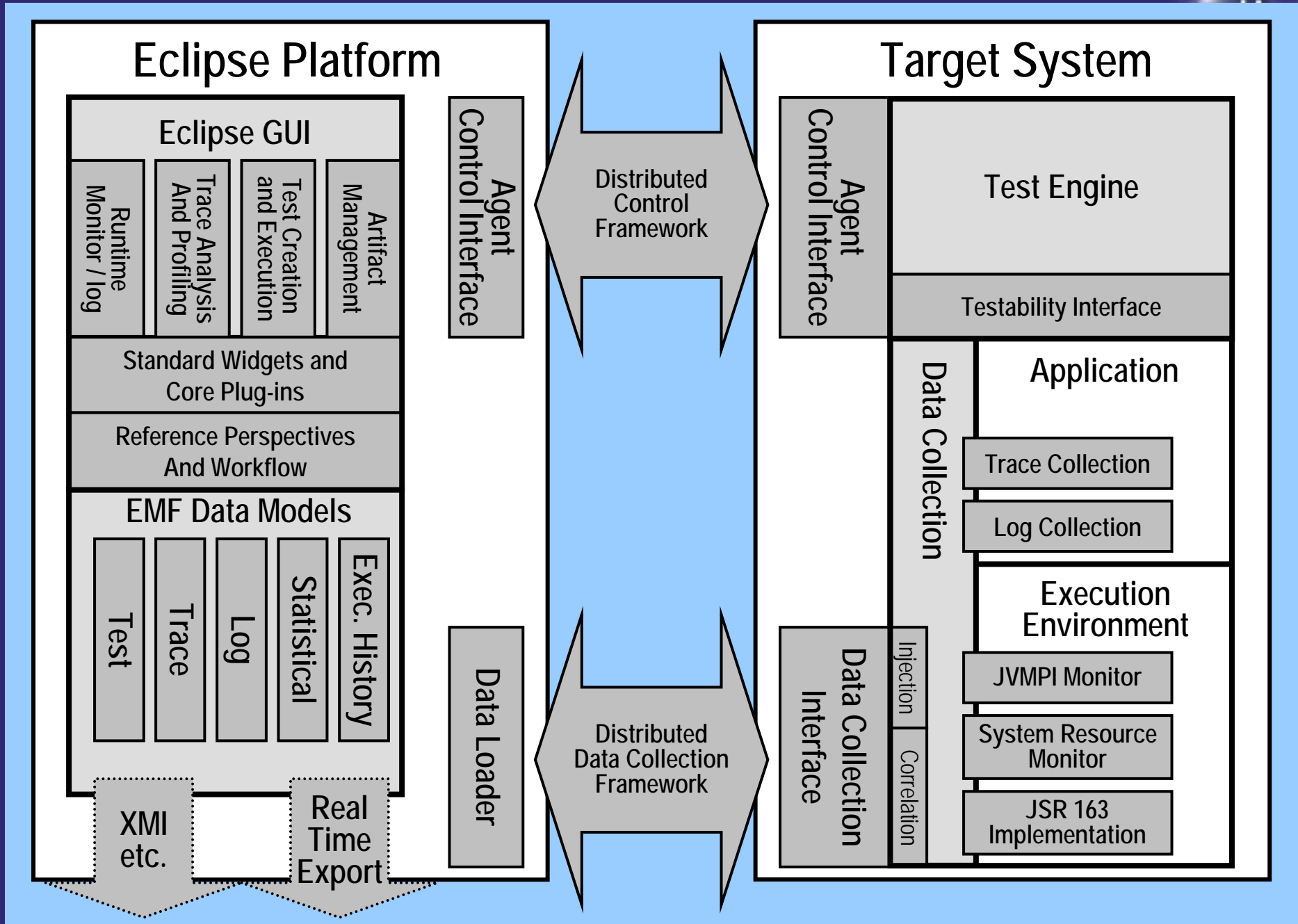
- The PMC Lead shall establish an Eclipse Test & Performance Project Architecture Group (the "Architecture Group") responsible for the development, articulation, and maintenance of the Project architecture and alignment thereof with the Eclipse architecture.
- The PMC Lead will designate the Architecture Group Chair and will also designate the Project representative to the Eclipse Architecture Council. The Architecture Group shall be comprised of a subset Project Committers nominated by the Chair and other individuals designated from time to time by the PMC Lead who represent the Project architecture.
- The Architecture Group will accomplish its objectives by working closely with the Project development teams and the Eclipse Architecture Council.

■ Planning Group

- The PMC Lead shall establish an Eclipse Test & Performance Project Planning Group (the "Planning Group") responsible for the development and maintenance of a Project Release Plan consistent with the Architecture, supporting the Roadmap, and supported by resource commitments of contributing organizations and individuals.
- The PMC Lead will designate the Planning Group Chair and will also designate the Project representative to the Eclipse Planning Council. The Planning Group shall be comprised of one representative designated by each contributing organization and other individuals designated from time to time by the PMC Lead. Additionally, the Requirements Group and Architecture Group chairpersons will be members of the Planning Group.
- The Planning Group will accomplish its objectives by working closely with their represented organizations, the Project development teams, and the Eclipse Planning Council.

* Some info above excerpted from the TPTP charter (http://www.eclipse.org/tptp/groups/PMC/project_charter.html)

TPTP Architecture Overview



References



- Eclipse Foundation

- www.eclipse.org

- TPTP Project Homepage

- www.eclipse.org/tptp

- TPTP Project Charter

- http://www.eclipse.org/tptp/groups/PMC/project_charter.html

- Eclipse Development Process

- www.eclipse.org/org/documents/Eclipse%20Development%20Processes%202003_11_09%20FINAL.pdf