# Hewlett Packard Enterprise Performance Center 12 and HPE LoadRunner 12 protocol bundles

## BUNDLE NAME
### .NET record/replay
Microsoft® .NET 1.0, 2.0 and later

### Database
- ODBC
- Oracle (2-Tier)

### DCOM
Microsoft COM/DCOM

### Developer
- Unit Test (NUnit, JUnit, and Selenium)
- SDK

### GUI virtual users
HPE Unified Functional Testing

### Java record/replay
- Java over HTTP Vuser
- Java Record/Replay

### Network
- Domain Name Resolution (DNS)
- File Transfer Protocol (FTP)
- Internet Message Access Protocol (IMAP)
- Lightweight Directory Access Protocol (LDAP)
- Microsoft Exchange (MAPI)
- Post Office Protocol 3 (POP3)
- Simple Mail Transfer Protocol (SMTP)
- Tuxedo
- Windows® Sockets
- CORBA—Java
- RMI—Java (includes ORMI)

### Mobile
- Mobile Applications
- TruClient—Mobile Web
- SAP® Mobile Platform (SMP)
- Bundle includes equivalent number of HPE Network Virtualization licenses [hp.com/go/nv](hp.com/go/nv)

### Oracle E-Business
- Oracle NCA
- Oracle Web Applications Ti (Click and Script)
- PeopleSoft Enterprise (Click and Script)
- Siebel—Web
- Web (HTTP/HTML)

### Remote access
- Citrix® Virtual User (ICA)
- Remote Terminal Emulation (RTE)

### Remote desktop
Microsoft Remote Desktop Protocol (RDP)

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1. Replay only
2. Template virtual users are manually developed and do not include record capability.
### BUNDLE NAME

<table>
<thead>
<tr>
<th>BUNDLE NAME</th>
<th>PROTOCOLS</th>
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<tbody>
<tr>
<td>Rich Internet applications</td>
<td>AJAX Click and Script, TruClient—Firefox, TruClient—IE, Flex, Silverlight, TruClient—Mobile Web</td>
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<tr>
<td>SAP</td>
<td>SAP Click and Script, SAP GUI, SAP—Web, SAP Mobile Platform (SMP)</td>
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<tr>
<td>SOA</td>
<td>MQSeries—Client, MQSeries—Server, Service Test, Web Services</td>
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<tr>
<td>Templates¹</td>
<td>C Vuser, C# .NET Vuser (Visual Studio add-in), C++ .NET Vuser (Visual Studio add-in), Enterprise Java Beans (EJB), Java Vuser, VB .NET Vuser (Visual Studio add-in)</td>
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<tr>
<td>Web 2.0</td>
<td>Web and multimedia, RIA and SOA bundles</td>
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<td>Web and multimedia</td>
<td>Media Player (MMS), Real (RealPlayer), Web (HTTP/HTML), Mobile Application—HTTP/HTML</td>
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<tr>
<td>Wireless</td>
<td>Multimedia Messaging Service (MMS)</td>
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### Enterprise Suite (Performance Center only)

Includes all protocol bundles for load testing and performance testing except the following bundles: DCOM, GUI virtual users, and templates.

Learn more at
- [hp.com/go/performanceengineering](http://hp.com/go/performanceengineering)
- [hp.com/go/loadRunner](http://hp.com/go/loadRunner)
- [hp.com/go/performancecenter](http://hp.com/go/performancecenter)
- [hp.com/go/nv](http://hp.com/go/nv)