# IBM Technical Summit 2013

## Démarquez-vous

17 octobre | IBM Client Center Paris

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# Rational **Token** Licensing
# A flexible licensing strategy

## Tarik MLAHI
## Consultant Avant-vente Rational

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# Agenda

- How licensing affects software delivery
- Licenses types
- What is a Token License
- How does token licensing work
- Common License Reporting
- FAQ
- Summary
- Where to find more information

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# Licensing Challenges affect Software Delivery Flexibility
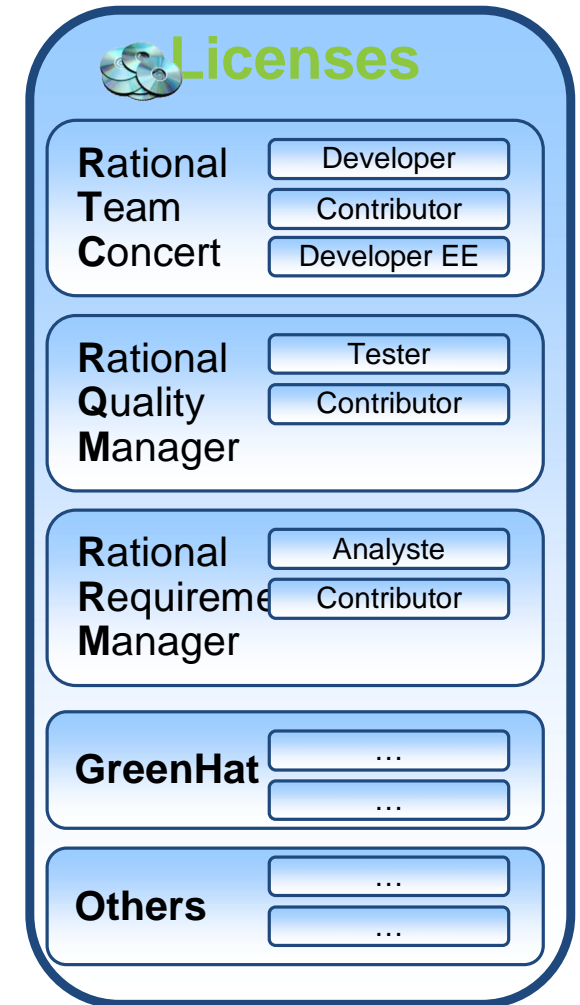
- **Inflexible licensing schemes can lead to loss of productivity**
  - ▶ Not enough licenses may be available during heavy usage periods
  - ▶ No way to move licenses from product to product as needs change during a project
  - ▶ Licenses temporarily unused for parts of the project
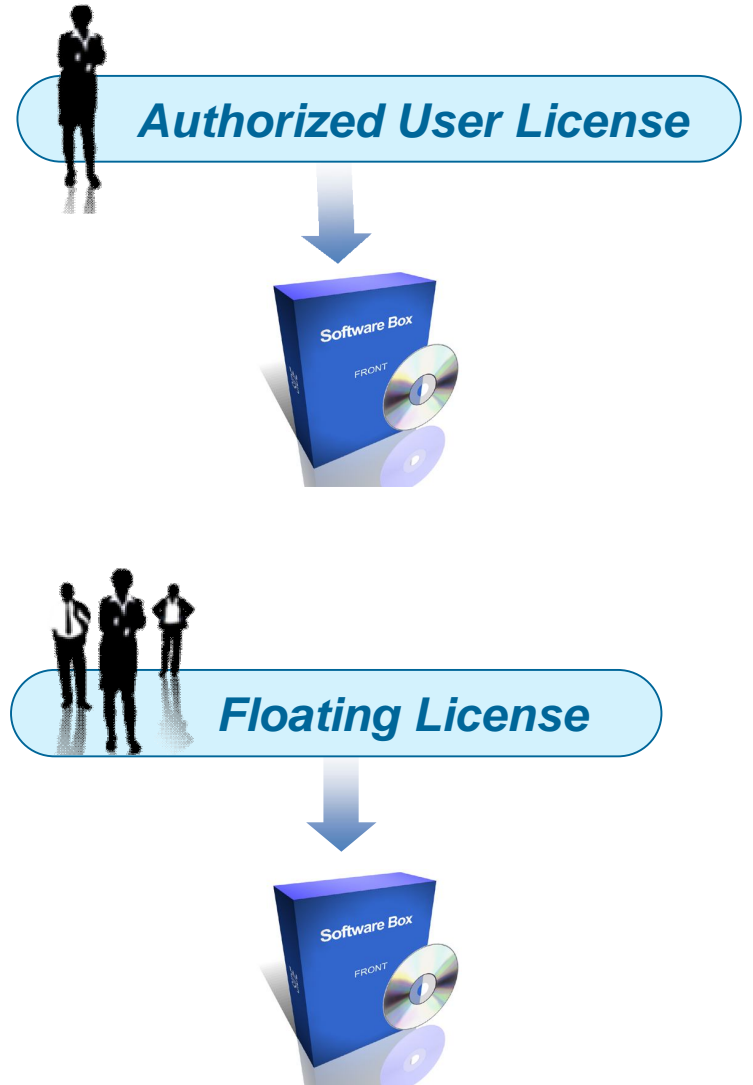- **Time to Market increased due to license issues**
  - ▶ Installation of new software typically depends on license availability – if there are no licenses, software is not installed.
  - ▶ New License acquisition takes time
- **Budgetary availability and timing concerns may delay license purchases**

**Licenses**

| Rational Team Concert | Developer |
| | Contributor |
| | Developer EE |

| Rational Quality Manager | Tester |
| | Contributor |

| Rational Requireme Manager | Analyste |
| | Contributor |

| GreenHat | ... |
| | ... |

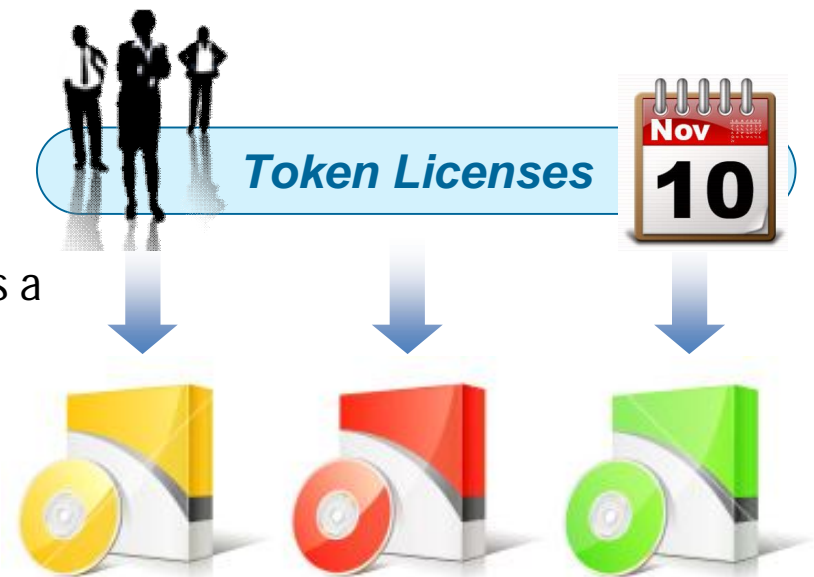| Others | ... |
| | ... |

✓  ✗

# License types: Perpetual Licenses

- **A One Time Charge (OTC) or "perpetual" license** grants the use of the specific version / release of the software obtained indefinitely, as long as the customer complies with the terms of the license agreement.

  - ▶ **Authorized user license** is associated with a single product and a unique person who is given access to the product.
  - ▶ **Floating user license** is associated with a single product, but which can be shared among multiple team members. The total number of concurrent users must not exceed the number of licenses.

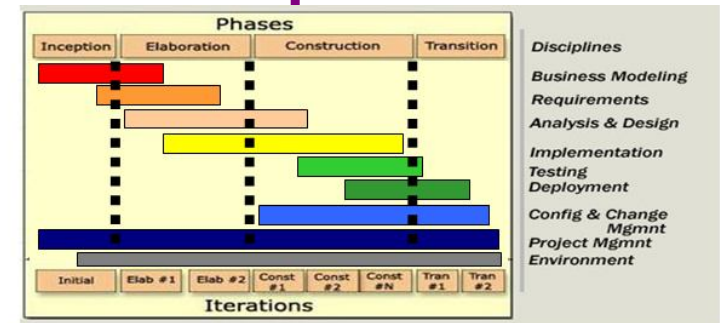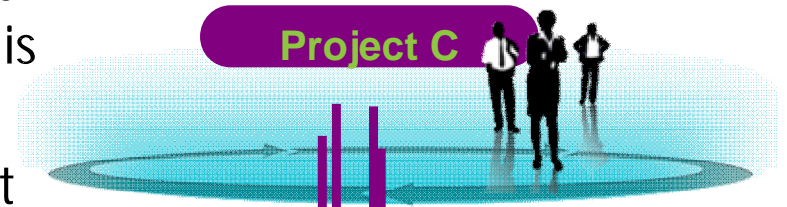*Authorized User License*

*Floating License*

# License types: Fixed Term Licenses

- **A Term License** (or Fixed Term License, or FTL) grants the use of **the software** over a limited time period, or term (typically 12 months) as long as the customer complies with the terms of the license agreement.
  - ▶ Term Licenses can be of either the Authorized user or Floating User type.

- **Token Licenses** are a form of fixed term license that allow the mixing of different products in real time.
  - ▶ Technically, token licenses work the same way as a floating license. However, there is a difference when it comes to the way the license checks out for consumption.
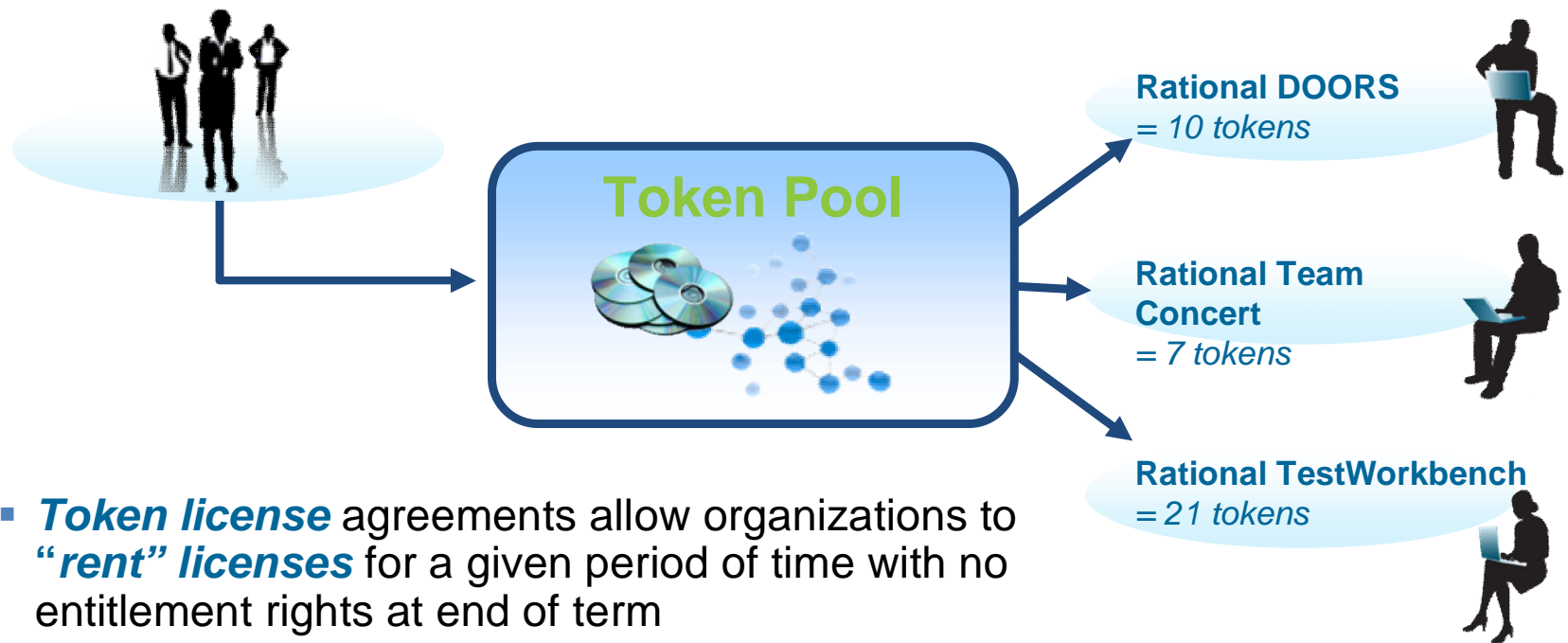  - ▶ Token Licenses are Floating User and Floating Product license types.

# What is a Token License?

- A "Token" is a base unit of license value
- Tokens allow you to maintain a pool of token licenses used across users and across token-based products.
- The usage rights of the software products are limited to the contract duration.Token Term is normally 3 to 5 years
- Every Rational software consumes a different amount of tokens
- There is no limit on the number of entitled applications that can be run concurrently, or on which machines they can run, up to the total number of tokens purchased
- Many Rational solutions can leverage token licensing today.

# How does token licensing work?

## *Licensing resilient to changing budgetary and user needs*

**Token Pool**

**Rational DOORS**
*= 10 tokens*

**Rational Team Concert**
*= 7 tokens*

**Rational TestWorkbench**
*= 21 tokens*

- ▪ ***Token license*** agreements allow organizations to **"*rent*" licenses** for a given period of time with no entitlement rights at end of term

- ▪ Token licenses can **float across users *and* across products**

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# Managing Tokens in Rational License Key Center (LKC)

- Tokens licenses are managed in the IBM Rational License Key Center (LKC) as most of Rational products. Tokens are managed as a complete product package which makes it much easier to process (http://www-01.ibm.com/software/rational/support/licensing/)
- You can split the total quantity of tokens across different servers.

# Common License Reporting

➢ The Common License Reporting tool **covers most*** **license models** for Rational solutions: Flexlm, Tokens and Jazz licensing.

    ➢ **No additional cost**

➢ Out of box reports for the following license metrics:

    ➢ Peak usage

    ➢ License usage per use

    ➢ Available Licenses

    ➢ Token distribution

    ➢ Chargeback report

    ➢ License expiration

➢ Capability to schedule a report

    ➢ Save scheduled report to disk

    ➢ Email the scheduled report

➢ Feature to export report data into commonly used formats (PDF, XML, JSON, CSV, TSV)

➢ Integration into other reporting tools (including MS Excel) for further customization.

*\* Does not include reporting on Flexlm node-locked, Jazz authorized user, and ClearCase Atria licensing.*
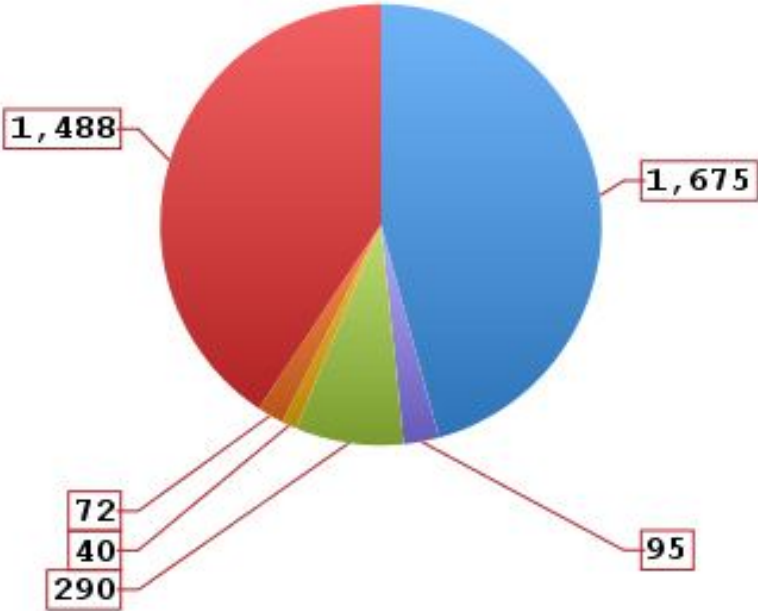
IBM.

# Token distribution report

Print | Export Report As | Select an option ▾



**Products**
- Change
- ClearCase
- DOORS
- MultiSite
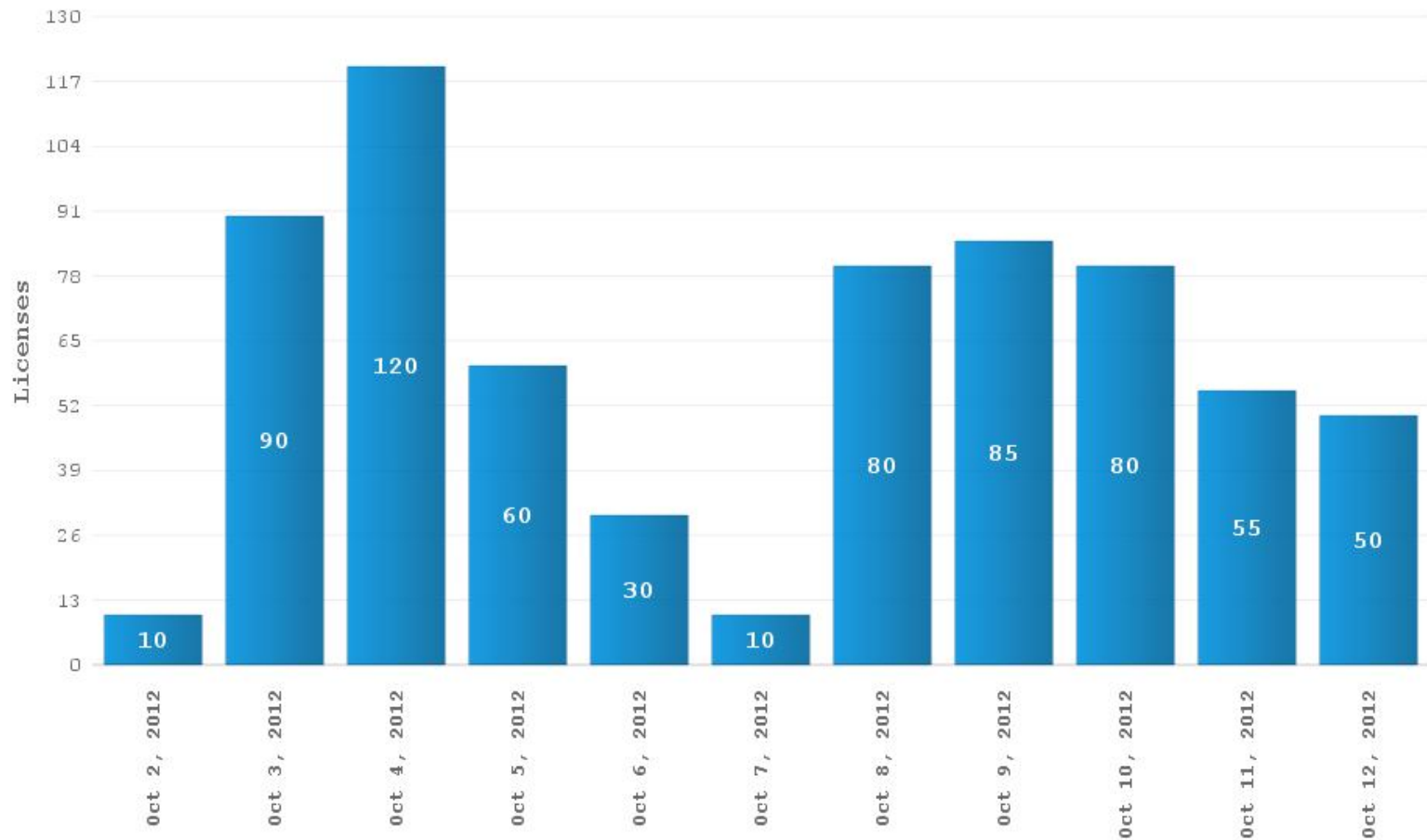- Rhapsody Designer for Systems Engineer
- SYNERGY...

1,488
1,675
72
40
290
95

# Peak usage report

# FAQ

- **Can Tokens be mixed with floating licenses?**

  Mixing regular Floating and Token licenses on the same license server works perfectly fine When mixing traditional floating with tokens following applies, Floating licenses are consumed **first.**

- **Older product version not supporting tokens**

  If you migrate to token licensing, all versions of the software in use have to be on versions which support the tokens license scheme. For example, ClearCase 7.1.2 is the first release that can be used with token licensing. You can not utilize token licensing for versions prior to 7.1.2 of ClearCase.

- **Jazz products in token environment**

  A Rational License Key Server (RLKS) is required in addition to the Jazz Team Server from which Jazz products get their licenses.
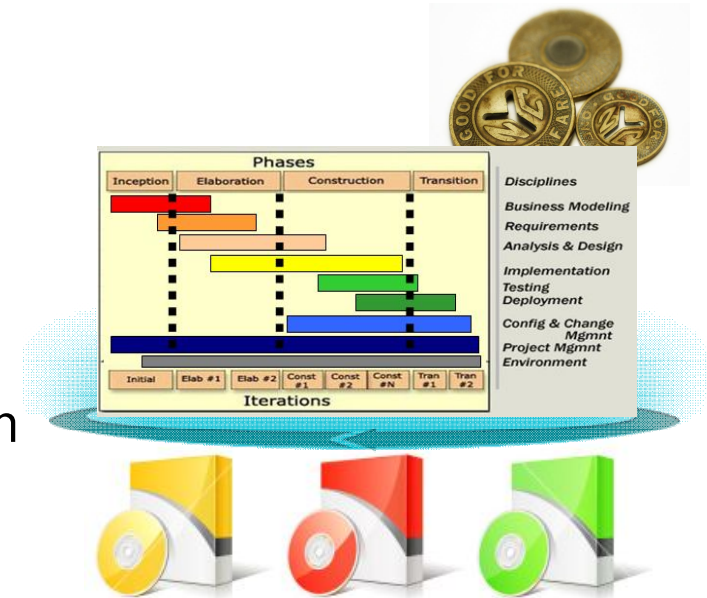
- The Jazz license server communicates with RLKS and the check in/out of tokens usage is taken care of automatically.

- **What License Server version is required to use token licensing?**

  Rational token products require the IBM Rational Common License Server 8.1.x

# Innovative licensing approach to help software delivery teams

- **Provide optimal use of Rational solutions**
  - ▶ Float across users and across Products
  - ▶ Practitioners can use the right tool at the right time during the lifecycle of a project
- **Streamline License Management**
  - ▶ Eliminate the concept of temporarily "unused" software
  - ▶ Allows software delivery teams to maintain productivity and reduce time to market
- **Simplify License Purchasing**
  - ▶ Allow customer access to specialty software during the project, without the hassle of a new PO or evaluation process
- **Address Budgetary Concerns**
  - ▶ Replaces a less predictable spending model
  - ▶ Very attractive in terms of flexibility and internal accounting aspects

# More Information about Token licensing

■ Please visit Rational Common Licensing Support Community > Token Licensing:

[https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/Wa5f0e71b4f3c_4bc8_adb1_be13c9277040/page/Token%20Licensing](https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/Wa5f0e71b4f3c_4bc8_adb1_be13c9277040/page/Token%20Licensing)

## References

Token FAQ

Token Licensing Overview

Token Licensing Concepts and Management (Support whitepaper)

Token Licensing for Jazz based products (Jazz.net article)

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**www.ibm.com/software/rational**

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