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RTC adoption by the RAF

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Tornado In-Service Software Maintenance Team (TISMT)



MINISTRY OF DEFENCE



What is TISMT?

Tornado In-service Software Maintenance Team (TISMT)

- Defence Equipment & Support – Combat Air
- 35 RAF and Civilian Personnel

Accredited by

- Military Aviation Authority
- Lloyds Register Quality Assurance



What does TISMT do?



Initial Investigation

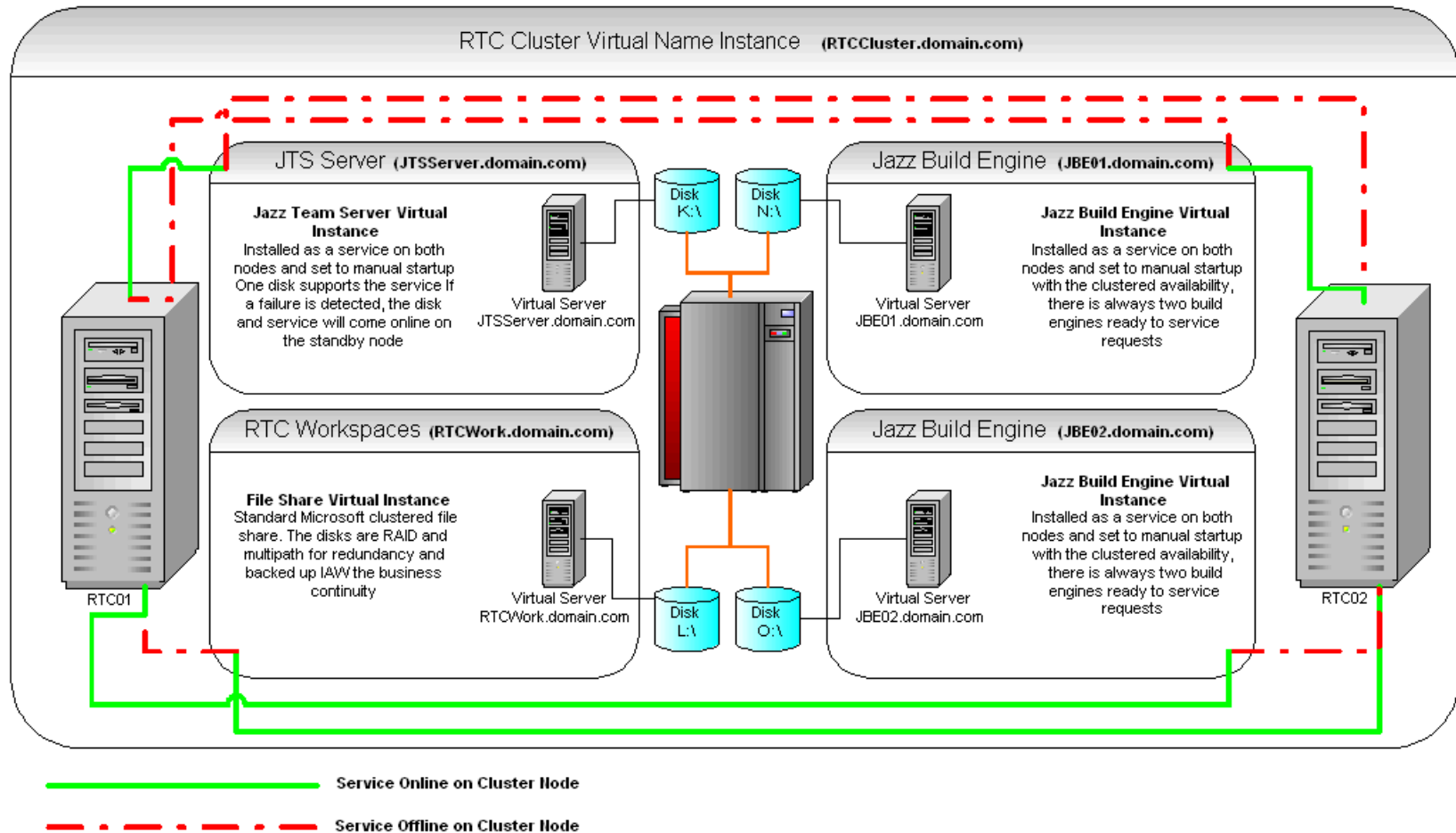
- Hardware Upgrade
- Move from command line to a graphical interface
- Source Control of code



Installation & initial adoption

- Trial server installation
 - Twin dual core Xenon CPU server – 5 users – Derby database
 - Jazz Build Engine introduced
- Migration from Derby to Microsoft SQL Server
 - Clustered SQL instance
- Production clustered installation
 - Two servers each with twin quad core CPU
 - Microsoft SQL Server database
 - 35 users
 - 2 Jazz Build Engines are permanently online





Initial Adoption of RTC

- Few Users
- Migration of data
- Integration issue between ADA projects and RTC
 - ADACore GNATbench lost visibility of ADA code
 - A collaborative approach by us, IBM Rational and ADACore
 - A fix was incorporated by ADACore into its production release
- Source control only?



Current Use of RTC

- Programmers only
 - Configured to match part of existing process
 - Ant used for configured builds
- Completed first project
 - Port code to new target platform
 - Minor changes to Workflows and templates
- Started first major development project
- Some duplication between systems



Future Development

- Test team to use RTC
- Expand the number of tasks included in process
 - Requirements review
 - Test development
- Migrate task tracking and documentation into RTC



Conclusion



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