

### Platforms and Operating Systems

Windows 2000\* / XP /  
Server 2003 / Vista

### Other System Requirements

.net framework 2.0

Disk space < 1 Mb

#### Databases

Oracle9i (all releases)  
Oracle Database 10g (all releases)  
Oracle Database 11g  
OracleXE (latest release)  
Oracle Enterprise with Spatial  
Oracle Standard Edition with  
Locator  
Oracle Database 10g XE with  
Locator

#### Database tools required on server machine

None

#### Database tools required on client machine

Oracle9i, Oracle Database 10g and  
Oracle Database 11g

### Deployment

Standard Microsoft MSI install file.

\*Platform supported but not formally tested.

### 1Spatial

#### Head Office

Cavendish House  
Cambridge Business Park  
Cambridge  
CB4 0WZ  
UK  
T: +44 (0)1223 420414

#### Ireland

1 Nore House  
Riverview Business Park  
Mahon  
Cork  
Ireland  
T: +353 (0)21 4359595

#### Norway

Olavsgt. 39b  
NO-3612  
Kongsberg  
Norway  
T: +47 32 29 90 60

#### Scotland

3 Wellgreen Lane  
Stirling,  
FK8 2BS  
UK  
T: +44 (0)1786 472100

#### Australia

1/25 Highlander Street  
Torquay  
Vic 3228  
Australia



## Product overview



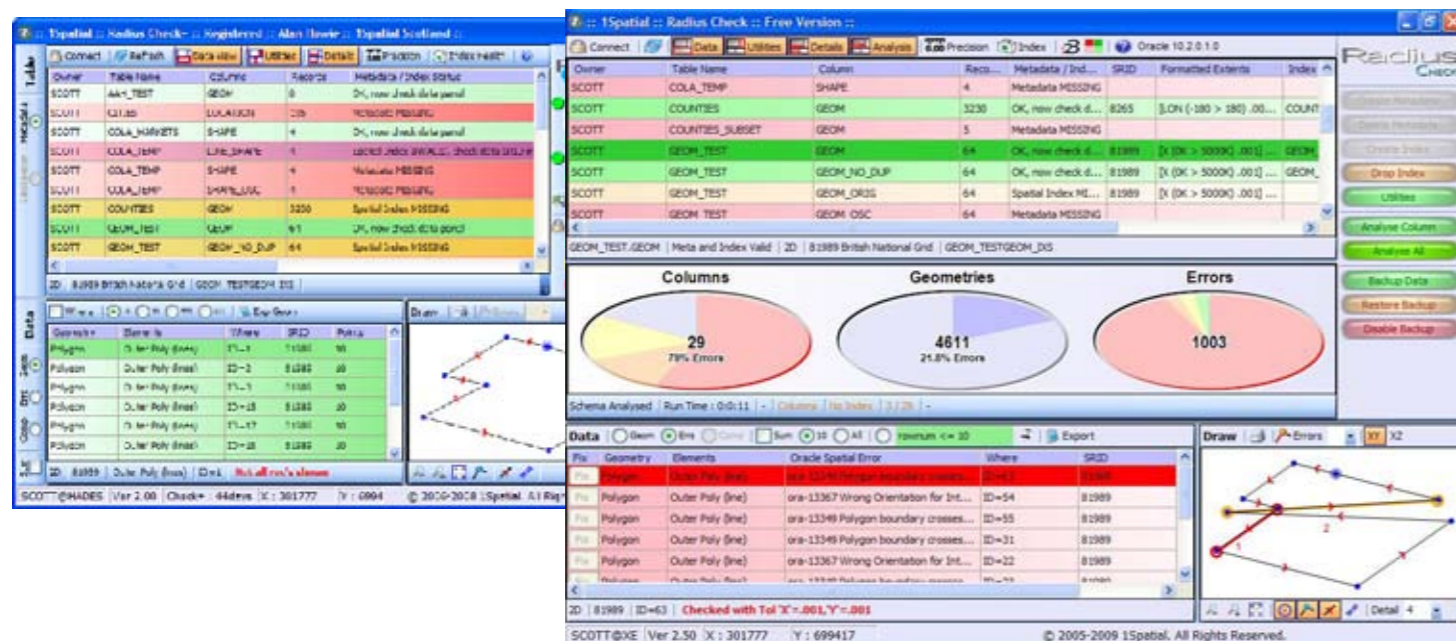
Quality – 1Spatial is committed to quality in all aspects of its business and has achieved ISO 9001:2000 certification. 1Spatial has been ISO9001/TickIT assured continuously since February 1994.

# www.1spatial.com

Copyright © 2008 1Spatial Group Ltd. All rights reserved.

# Radius CHECK

Radius Check™ is an easy-to-use, identification, validation and administration tool that can be utilised by all users of spatial data held in Oracle Databases. Users do not require a high level of technical expertise to be able to use Radius Check to manage their spatial database effectively. Radius Check can also be used as an educational tool

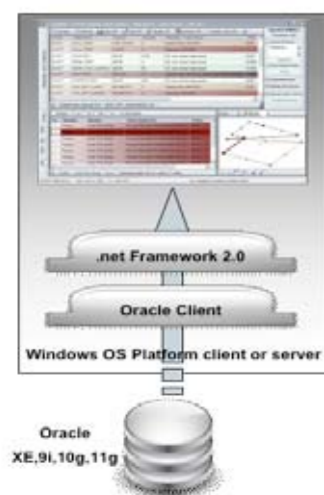


## Radius Check

This tool allows users to visualise the spatial data held in their database. When selected, an approximation of a single geometry can be viewed. This allows users to see simple data errors such as double digitisation and self-intersecting polygons.

For those unfamiliar with the make-up of spatial data, and the conditions required for it to be valid, there are simple tools showing vertex positions, directional arrows, all node points and co-ordinates. There is also a facility to print a summary of an SDO\_GEOMETRY field along with explanatory comments.

Users can choose to fix certain problems within the interface, but have the option to back up their data before choosing the fix option. This will allow them to revert back to the original state. Errors can be batched and exported to form the basis of a production flowline. All errors are presented in an easy to understand colour-coded table to match the geometry that is under scrutiny.



*"I am delighted that as an Oracle Certified Partner, 1Spatial is providing this service for the very large Oracle Spatial customer base that exists around the World"*

Mike Turnill  
Senior Principal Product Manager  
Oracle Server Technologies

## Key Features

### Radius Check

#### Spatial data locator

Automatically finds all spatial data that an Oracle schema owns or, if selected, all spatial data associated with that schema.

#### Reporting

Displays the relevant information using colour coding to highlight potential issues in the data within the following areas:

- Spatial Index Status
- Metadata
- Spatial Error Checking

#### Simple to use

The interface features easy-to-use drop down menus for most tasks and clear labelling of options, making retrieval of information quick and easy.

#### Easy access

The software is free to download with the simple provision of a valid email address. Once installed it is easy to access via the desktop of the user's Windows PC.

### Creation & deletion of metadata

Users can create or delete metadata as required.

### Spatial Reference Identification (SRID) Amendment

The software allows the SRID to be changed and an up-to-date list of known co-ordinate systems is included to provide possible options.

### Creation & deletion of spatial index

Users can create and delete the spatial index for a schema as required.

### Primary key

Users can create a primary key for a table.

### Adjustable interface

Easy-to-read buttons on the taskbar can be used to mask and unmask certain elements of the interface, creating an on-screen environment tailored to the users specific requirements or level of expertise.

### View geometries

An approximation of a geometry is included and has additional features for validation such as co-ordinate information, vertices and directional arrows, all of which can be switched on and off as per user preference. The SQL syntax for the displayed geometry can also be produced, containing explanatory comments tying it back to the diagram.

### Analyse geometries

Through a data view panel, users can view approximations of their geometries and easily spot faults such as self-intersecting polygons. A copy can then be printed off for correction purposes.

### Error reporting

The application will report on fundamental geometry errors allowing a user to export a list (via a csv file) of errors for correction via the user's editor.

### Double digitising resolution

Problems relating to co-existing points can be resolved within the interface.

## Advantages

Radius Check is less than 1Mb in size, making it quick and easy to install with minimum disruption to users. It allows simple administration, validation and management of spatial data held in Oracle Spatial Databases. The simplicity of the product means that it can be used by all spatial data users, even those without a significant level of technical expertise. It can also be used as a learning tool for those new to Oracle Spatial Schemas, which negates the need for expensive training or support packages. The simplicity also means that tasks can be carried out more effectively and efficiently, saving time and money.

**This product freely available to download and use with your Oracle Spatial Database. If you would like further information concerning support and maintenance options, please contact [info@1spatial.com](mailto:info@1spatial.com)**

## Who is it for?

Any organisation with a spatial database in sectors such as Defence, Government, Transportation or Utilities. Existing users include Gazetteer Custodians, Hydrographic Surveyors, Helpdesk Administrators, GIS Consultants, Software Developers and Oracle Database Administrators. It can be connected to Oracle9i, Oracle Database 10g or Oracle Database 11g.