

Oracle数据的批量插入Oracle认证考试 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/644/2021_2022_Oracle_E6_95_B0_E6_c102_644980.htm "gklt"> 前两天接到一个需求需要编程

将SQL Server中的数据插入至Oracle。数据大约有20多万条记录。开始的时候我采取了直接构建SQL插入的方式，结果耗时太长。为了提高性能我上网找了资料。最终采

用DataAdapter批量插入至Oracle，提高了性能。百考试题 - 全国最大教育类网站(www . Examda。 com) 代码如下：一，直

接构建SQL语句插入 VB.NET 1 sw.Start() 2 Read Z02J from SQL Server 3 Dim sqlCmd As New SqlCommand() 4

sqlCmd.Connection = sqlConnection 5 sqlCmd.CommandText =

"SELECT * FROM Z02J" 6 7 Dim sqlDr As SqlDataReader 8 sqlDr =

sqlCmd.ExecuteReader() 9 10 Dim cmdInsertZ02J As New

OracleCommand() 11 cmdInsertZ02J.Connection =

oraConnection 12 cmdInsertZ02J.CommandText =

BuildSQLStatement(SQLType.Insert,"z02j") 13 14 Dim plantLever,

material, oldMaterialNum, materialDescription As Object 15 While

sqlDr.Read() 16 plantLever = ReadSqlDataReader(sqlDr, 0, "") 17

material = ReadSqlDataReader(sqlDr, 1, "") 18 oldMaterialNum =

ReadSqlDataReader(sqlDr, 2, "") 19 materialDescription =

ReadSqlDataReader(sqlDr, 3, "") 20 Insert to Oracle table Z02J 21

cmdInsertZ02J.Parameters.AddWithValue(":plantLever",

plantLever) 22

cmdInsertZ02J.Parameters.AddWithValue(":material", material) 23

cmdInsertZ02J.Parameters.AddWithValue(":oldMaterialNum",

```
oldMaterialNum) 24
cmdInsertZ02J.Parameters.AddWithValue(":materialDescription",
materialDescription) 25 cmdInsertZ02J.ExecuteNonQuery() 26 End
While 27 sw.Stop() 28 Logger.Info("Reading z02j form sql sever
used", sw.Elapsed.TotalSeconds.ToString()) 二 , 采用DataAdapter
实现批量插入 VB.NET 1 sw.Start() 2 Read Z02J from SQL Server 3
Dim sqlCmd As New SqlCommand() 4 sqlCmd.Connection =
sqlConnection 5 sqlCmd.CommandText = "SELECT * FROM
Z02J" 6 7 Dim sqlDr As SqlDataReader 8 sqlDr =
sqlCmd.ExecuteReader() 9 10 Dim cmdInsertZ02J As New
OracleCommand() 11 cmdInsertZ02J.Connection =
oraConnection 12 cmdInsertZ02J.CommandText =
BuildSQLStatement(SQLType.Insert,"z02j") 13 14 Dim dtSqlZ02J
As New DataTable 15 dtSqlZ02J.Columns.Add("plantLever") 16
dtSqlZ02J.Columns.Add("material") 17
dtSqlZ02J.Columns.Add("oldMaterialNum") 18
dtSqlZ02J.Columns.Add("materialDescription") 19 20 Dim
plantLever, material, oldMaterialNum, materialDescription As
Object 21 While sqlDr.Read() 22 plantLever =
ReadSqlDataReader(sqlDr, 0, "") 23 material =
ReadSqlDataReader(sqlDr, 1, "") 24 oldMaterialNum =
ReadSqlDataReader(sqlDr, 2, "") 25 materialDescription =
ReadSqlDataReader(sqlDr, 3, "") 26
dtSqlZ02J.Rows.Add(plantLever, material, oldMaterialNum,
materialDescription) 27 End While 28 sw.Stop() 29
Logger.Info("Reading z02j form sql sever used",
```

```
sw.Elapsed.TotalSeconds.ToString()) 30 31 sw.Start() 32 Dim oraDa  
As New OracleDataAdapter() 33 oraDa.InsertCommand =  
cmdInsertZ02J 34
```

```
oraDa.InsertCommand.Parameters.Add(":plantLever",  
OracleType.Char, 255, "plantLever") 35
```

```
oraDa.InsertCommand.Parameters.Add(":material",  
OracleType.Char, 255, "material") 36
```

```
oraDa.InsertCommand.Parameters.Add(":oldMaterialNum",  
OracleType.Char, 255, "oldMaterialNum") 37
```

```
oraDa.InsertCommand.Parameters.Add(":materialDescription",  
OracleType.Char, 500, "materialDescription") 38 39
```

```
oraDa.InsertCommand.UpdatedRowSource =
```

```
UpdateRowSource.None 40 oraDa.UpdateBatchSize = 20 Adjust
```

```
the batch size based on testing result 41 42 oraDa.Update(dtSqlZ02J)
```

```
43 sw.Stop() 44 Loger.Info("Insert to oracle used",
```

```
sw.Elapsed.TotalSeconds.ToString()) 在我的环境中批量插入24
```

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似SQL Server中。net驱动程序提供了SqlBulkCopy类来提高大
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量数据导入的性能。有需要的朋友可以查下MSDN. 编辑特别
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推荐: oracle认证考试费用 Oracle的入门心得 使用Oracle外部表
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的五个限制 Oracle服务器参数文件维护的四个技巧 100Test 下
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