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Softing DTS9

Softing AG/Gailogic

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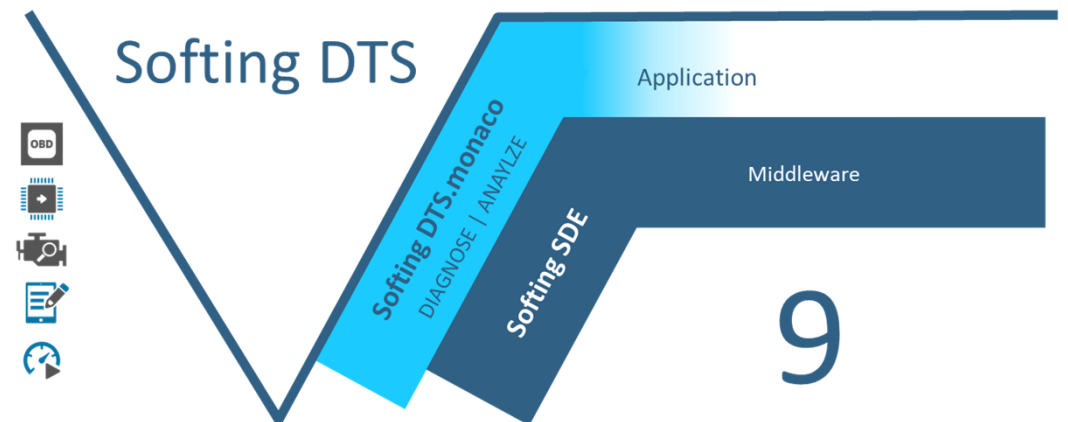


**AUTOMOTIVE**

[automotive.softing.com](http://automotive.softing.com)

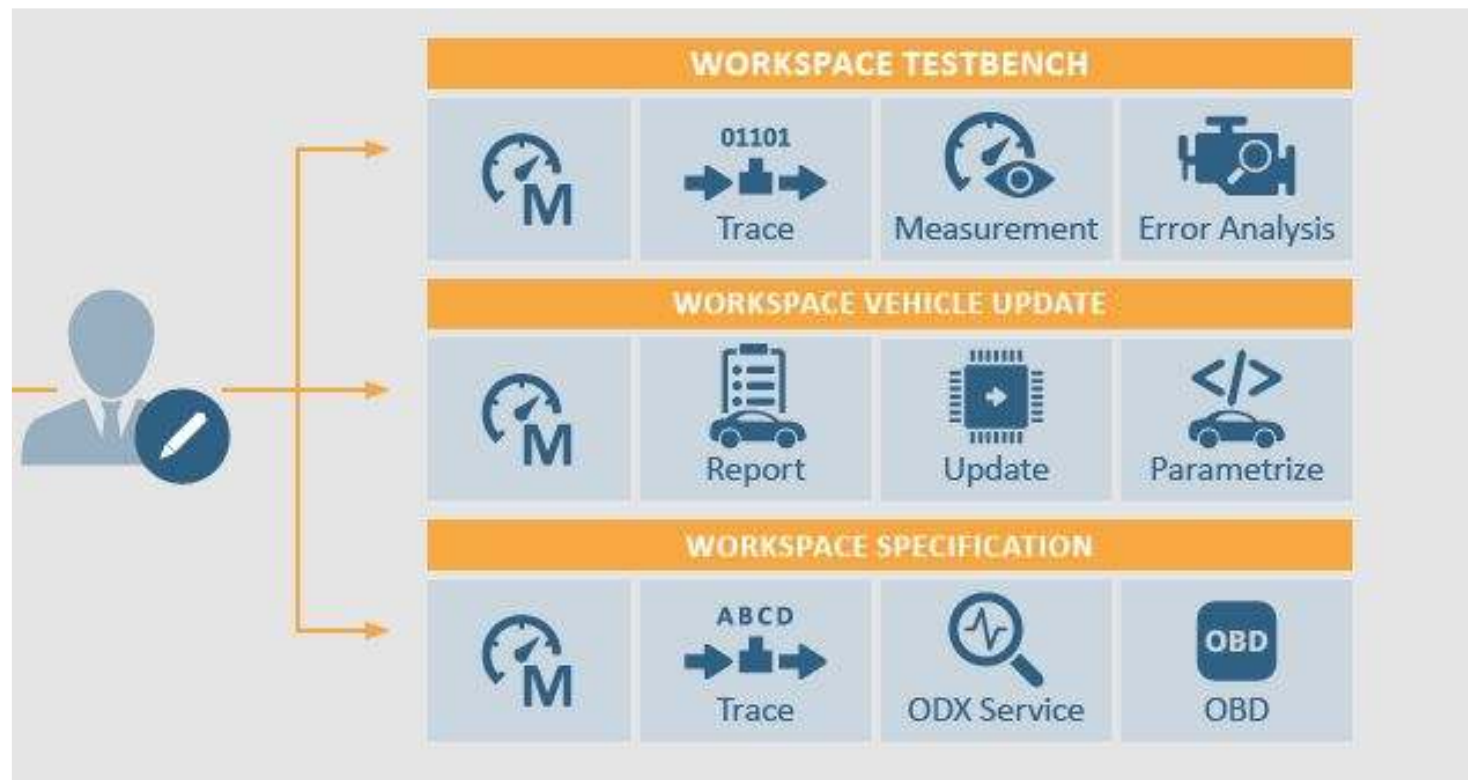
## DTS9 概要

- ECU の診断および機能制御用のオールインワンエンジニアリングテスター
- エンジニアリング部門、テスト部門及び製造部門の幅広い車両診断をカバー
- 直感的な操作と事前に構成可能なテンプレートによる迅速な結果の取得
- OBDスキャンツール、バスモニターの機能をカバー
- 通信の問題と機能エラーの早期発見と改善



# DTS9 機能

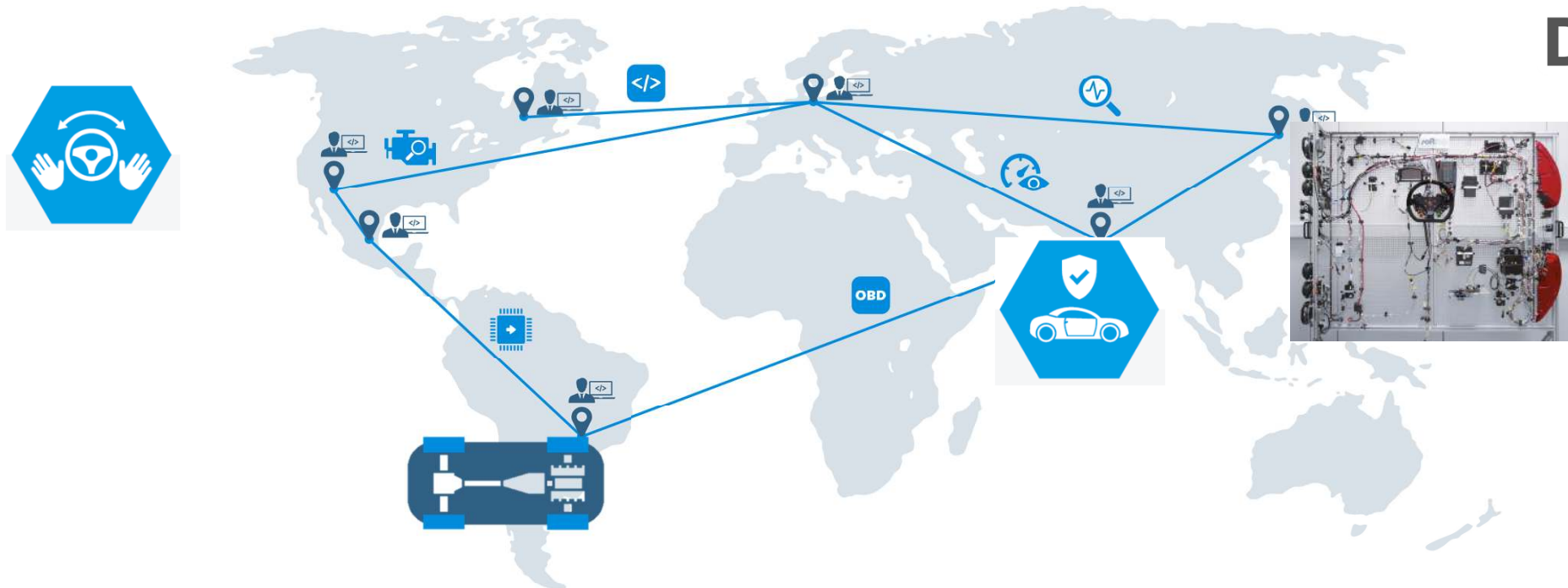
- 通信テスト
- バスデータの解析
- DTC の 読み取り/削除
- メモリのフラッシュプログラミング
- 計測値の表示
- バリエーションコーディング
- OBD機能テスト
- テストシーケンス (OTX)の実行



# DTS9 ハイライト - Remote Diagnostic

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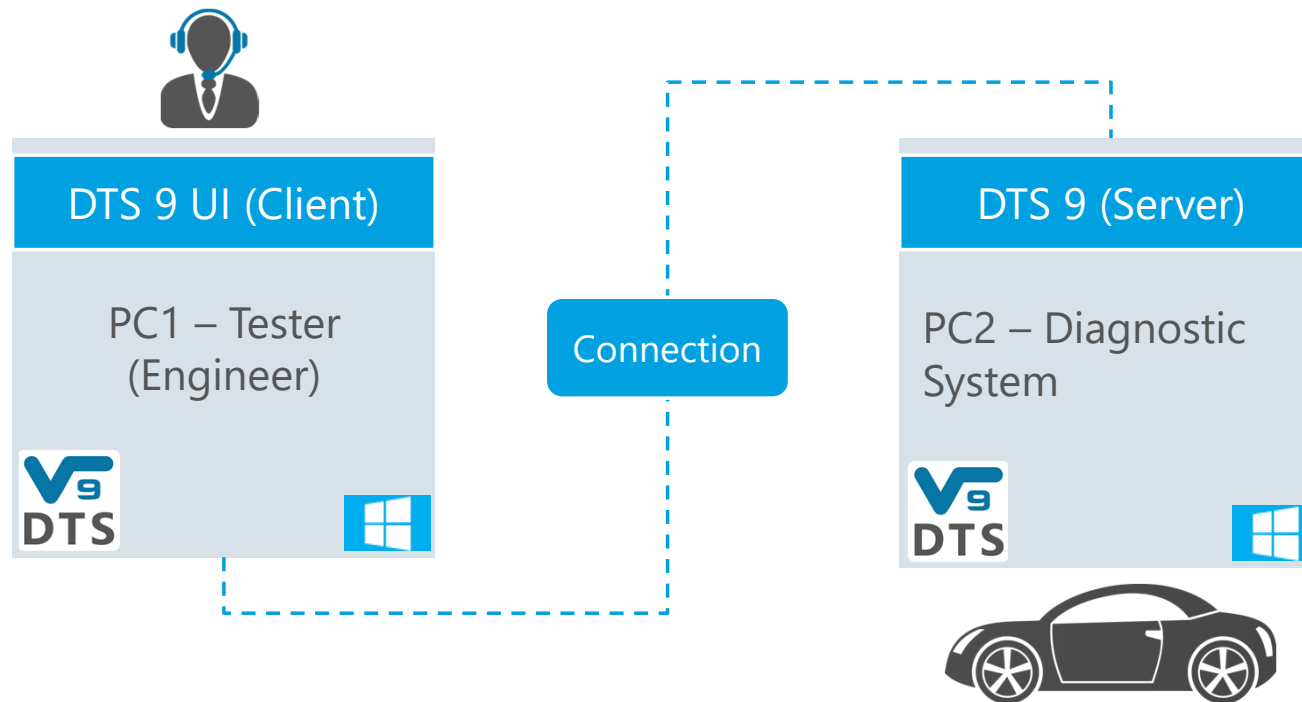
DTS9 でリモート診断を可能に



時間の節約、コスト削減、診断品質とセキュリティの向上

# DTS9 ハイライト - Remote Diagnostic

## DTS Client + Server



# DTS9 ハイライト – 新しい規格の対応

## CAN-FD および Automotive Ether net (DoIP)

### ✓ DoIP プロトコルのサポート

- ✓ Current modes at ISO22900-2: Entity + Collection mode in OEM wide usage
- ✓ Protocol Parameter Configuration (DoIP ISO)
- ✓ Ethernet Activation Function
- ✓ Broadcast Function
- ✓ DoIP ECU detection + list
- ✓ DoIP Flash >4GB (64-bit Flash support)
- ✓ **New DTS9: Ethernet Monitoring**

### ✓ CAN-FD プロトコルのサポート

- ✓ Interface configuration with Softing D-PDU API
- ✓ CAN-FD On-board trace record + viewer, OEM-Flash approved
- ✓ **New DTS9: Improved Trace window handling**

RelTime[ms]	Source ID	SourceIP	SourcePort	DestIP	DestPort	Data
2003.930	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.957	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2003.175	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.216	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2011.164	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.270	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.662	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.696	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.742	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.871	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2008.095	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.876	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2003.309	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.791	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2025.201	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.269	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2164.907	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.622	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.822	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
5.300	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.022	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.296	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.641	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
6.845	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2003.845	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.344	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2008.636	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
4.221	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2007.487	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.868	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2003.963	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.417	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.532	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.889	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2001.491	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.865	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2007.657	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.539	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.674	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.633	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.003	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.902	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.472	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.211	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2004.067	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
2.181	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..
2002.176	0	169.254.1.5	56926	169.254.1.2	13400	02 FD 00 01 00 00 00 06 ..
3.681	0	169.254.1.2	13400	169.254.1.5	56926	02 FD 00 02 00 00 00 05 ..



DoIP ISO 13400



CAN FD ISO 11898-1

# DTS9 ハイライト – 直感的な画面

- 洗練された UI デザイン
- 簡単な設定
- 測定データを CSV 形式にエクスポート

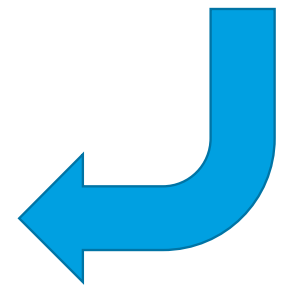


# DTS9 ハイライト - DTS8 との互換

- 簡単に DTS8 プロジェクトを移行/変換

The screenshot displays the DTS8 diagnostic software interface. On the left, a 'Bus Trace' window shows a list of CAN bus messages with columns for 'RelTime [ms]', 'ID', and 'Data'. The data is presented in hexadecimal and ASCII. On the right, the 'Diagnostic Services' window is active, showing a tree view of services for 'Database BV\_ExampleEcu'. A dropdown menu is open, listing various services such as 'SERVICE\_ClearDiagnosticInformation', 'SERVICE\_ReadDiagnosticInformation\_ReportDtcByStatus', and 'SERVICE\_ReadDataByIdentifier'. Below this, a 'Parameters' table is visible, listing parameters like 'RequestSID', 'DataIdentifier', and 'EcuSerialNumber' with their respective values and units.

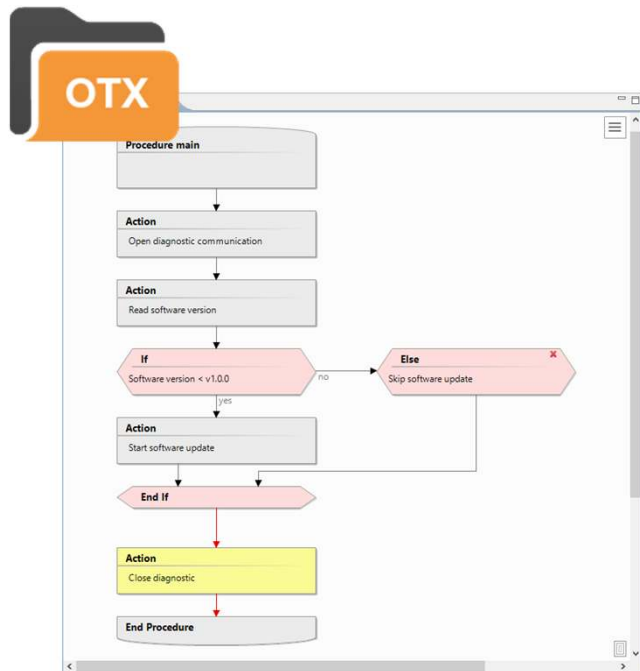
The screenshot displays the DTS9 diagnostic software interface. The main window features a virtual instrument cluster with various gauges: a speedometer showing 0 km/h, a tachometer showing 0 rpm, an oil temperature gauge at 115.0 °C, and an engine oil level gauge at 76.50 mm. A large digital display shows 'ECU Voltage' at 14.8. Below the gauges, there is a graph showing 'Torque' and 'Crankshaft' over time. The interface includes a menu bar, toolbars, and a 'Custom Side Panel' with buttons for 'Ignition ON' and 'VIN'. A status bar at the bottom indicates 'ErrorCode: eRT\_NOT\_ALLOWED\_IN\_LL'.





# DTS9 ハイライト - OTX

- OTX スクリプトのインポート
- Monaco 上で簡単に実行可能



The execution interface displays a speedometer and a list of actions under the heading 'Start OTX script':

- Read vehicle speed ✓
- Read ECU serial numbers ✓
- Set Fan on/off
- Start Guided Diagnostic

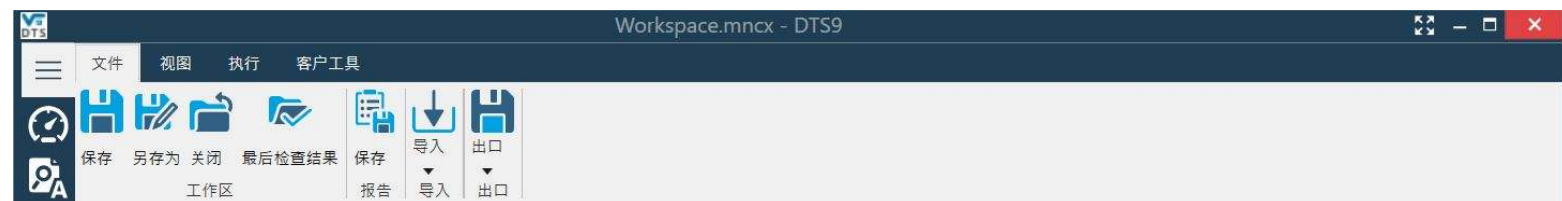
Below the actions, a table shows the results of the serial number reads:

Read ACM SerialNumber	48364TZ4
Read ECM SerialNumber	59874TZ4
Read RCM SerialNumber	16984TZ4

# DTS9 multi language

## 多言語対応

- 日本語を含む多言語への対応



# DTS9 ハイライト – 新しいライセンス方式

- アクティベーションキーによるユーザ単位のライセンス発行
- フローティングライセンス対応



Activation Key  
(Single User)



Floating License  
(Multi-User)

