



# TSB---Copying-HAL-xml-from-Thumb-Drive-to-New-PC

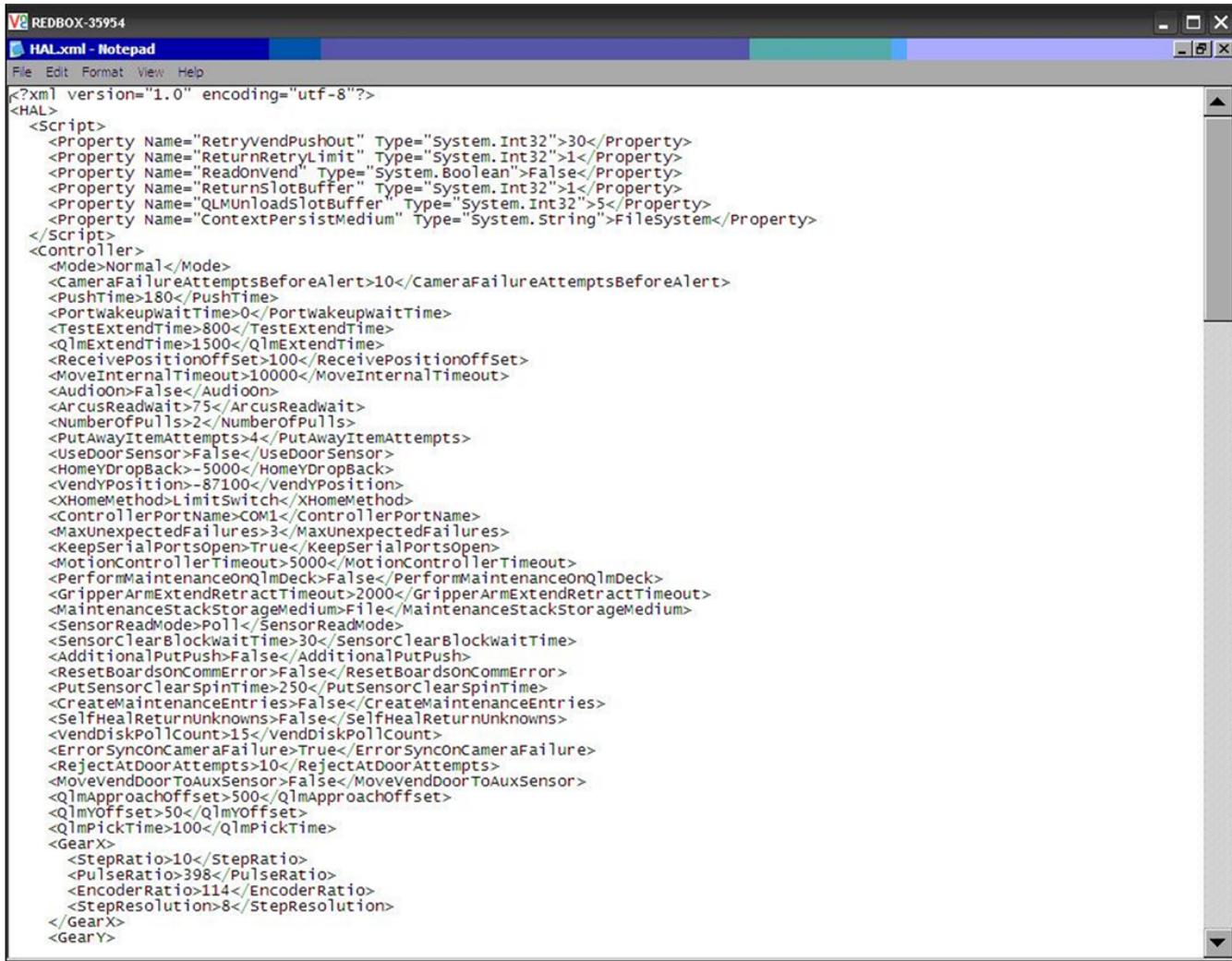


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Contractor

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**Description:** This TSB will guide you through copying the HAL.xml from your thumb drive to the correct location in the new PC.

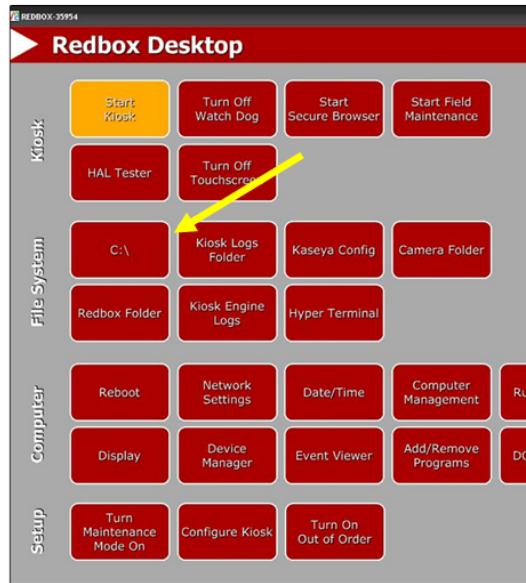


The screenshot shows a Notepad window titled 'HAL.xml - Notepad' with the file content displayed. The content is an XML configuration file for a HAL (Hardware Abstraction Layer) system. The XML includes various properties and settings for a robot, such as camera failure attempts, motor timeouts, sensor configurations, and gear ratios. The file is well-structured with opening and closing tags for different sections like <Script> and <Controller>.

```
<?xml version="1.0" encoding="utf-8"?>
<HAL>
  <Script>
    <Property Name="RetryvendPushout" Type="System.Int32">30</Property>
    <Property Name="ReturnRetryLimit" Type="System.Int32">1</Property>
    <Property Name="ReadonVend" Type="System.Boolean">False</Property>
    <Property Name="ReturnslotBuffer" Type="System.Int32">1</Property>
    <Property Name="QLMUnloadsSlotBuffer" Type="System.Int32">5</Property>
    <Property Name="ContextPersistMedium" Type="System.String">filesystem</Property>
  </Script>
  <Controller>
    <Mode>Normal</Mode>
    <CameraFailureAttemptsBeforeAlert>10</CameraFailureAttemptsBeforeAlert>
    <PushTime>180</PushTime>
    <PortWakeUpWaitTime>0</PortWakeUpWaitTime>
    <TestExtendTime>800</TestExtendTime>
    <QlmExtendTime>1500</QlmExtendTime>
    <ReceivePositionOffset>100</ReceivePositionOffset>
    <MoveInternalTimeout>10000</MoveInternalTimeout>
    <AudioOn>False</AudioOn>
    <ArcusReadWait>75</ArcusReadWait>
    <NumberOfPulls>2</NumberOfPulls>
    <PutAwayItemAttempts>4</PutAwayItemAttempts>
    <UseDoorSensor>False</UseDoorSensor>
    <HomeyDropBack>-5000</HomeyDropBack>
    <VendyPosition>-87100</VendyPosition>
    <XHomeMethod>LimitSwitch</XHomeMethod>
    <ControllerPortName>COM1</ControllerPortName>
    <MaxUnexpectedFailures>3</MaxUnexpectedFailures>
    <KeepSerialPortsOpen>True</KeepSerialPortsOpen>
    <MotionControllerTimeout>5000</MotionControllerTimeout>
    <PerformMaintenanceOnQlmDeck>False</PerformMaintenanceOnQlmDeck>
    <GripperArmExtendRetractTimeout>2000</GripperArmExtendRetractTimeout>
    <MaintenanceStackStorageMedium>File</MaintenanceStackStorageMedium>
    <SensorReadMode>Poll</SensorReadMode>
    <SensorClearBlockWaitTime>30</SensorClearBlockWaitTime>
    <AdditionalPutPush>False</AdditionalPutPush>
    <ResetBoardsOnCommError>False</ResetBoardsOnCommError>
    <PutSensorClearSpinTime>250</PutSensorClearSpinTime>
    <CreateMaintenanceEntries>False</CreateMaintenanceEntries>
    <SelfHealReturnUnknowns>False</SelfHealReturnUnknowns>
    <VendDiskPollCount>15</VendDiskPollCount>
    <ErrorSyncOnCameraFailure>True</ErrorSyncOnCameraFailure>
    <RejectAtDoorAttempts>10</RejectAtDoorAttempts>
    <MoveVendDoorToAuxSensor>False</MoveVendDoorToAuxSensor>
    <QlmApproachOffset>500</QlmApproachOffset>
    <QlmYOffset>-50</QlmYOffset>
    <QlmPickTime>100</QlmPickTime>
    <GearX>
      <StepRatio>10</StepRatio>
      <PulseRatio>398</PulseRatio>
      <EncoderRatio>114</EncoderRatio>
      <StepResolution>8</StepResolution>
    </GearX>
    <GearY>
  </Controller>

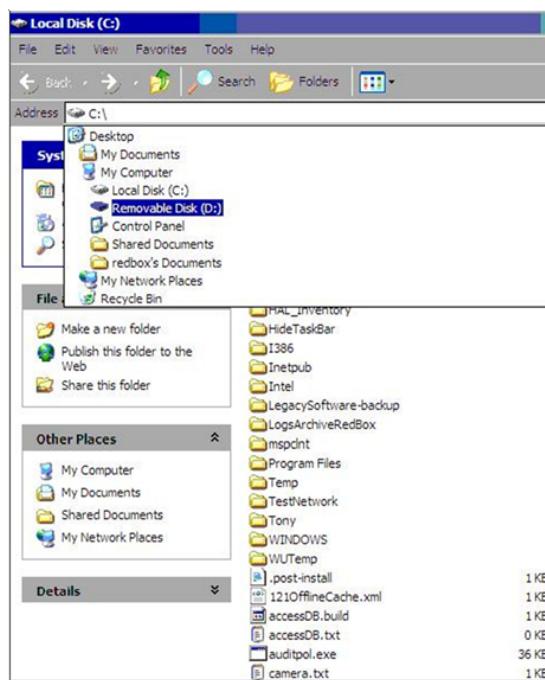
```

## 1. Copying the HAL.xml on your thumb drive



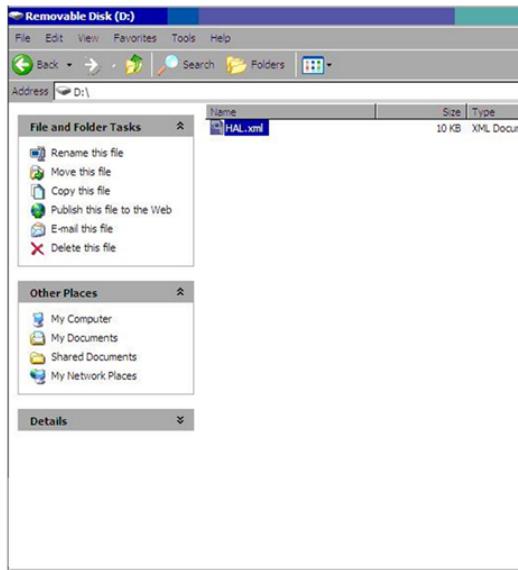
1. Log in to Redbox Desktop

2. Select the 'C:\' icon



3. Select the drop dorm arrow and locate your thumb drive

4. Select your thumb drive

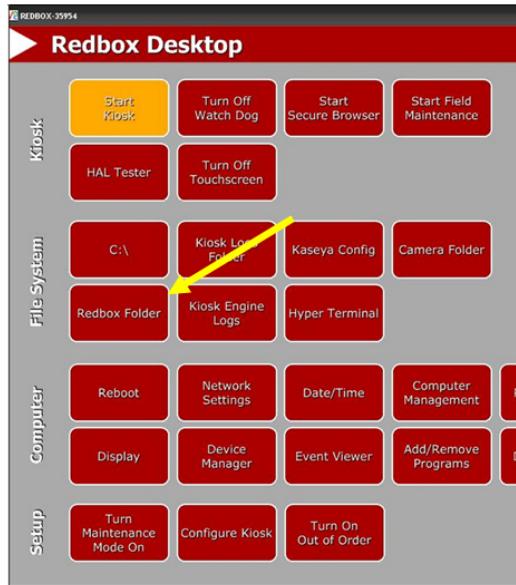


5. Select the 'HAL.xml' file

6. Right click the 'HAL.xml' file

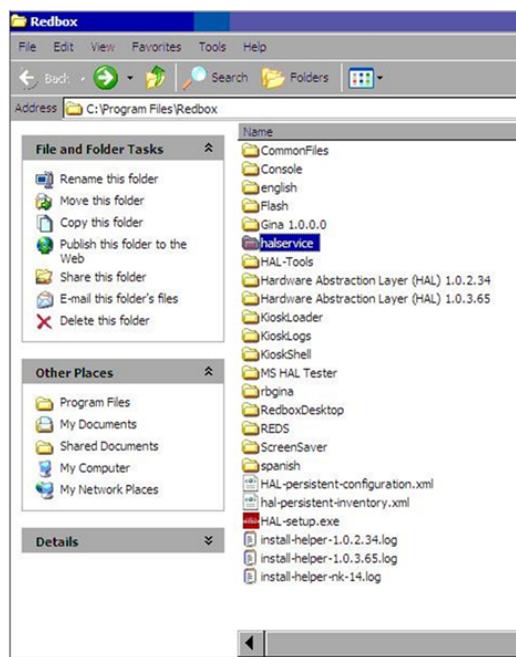
7. Select 'Copy'

**2.Copying the HAL.xml in the correct folder**



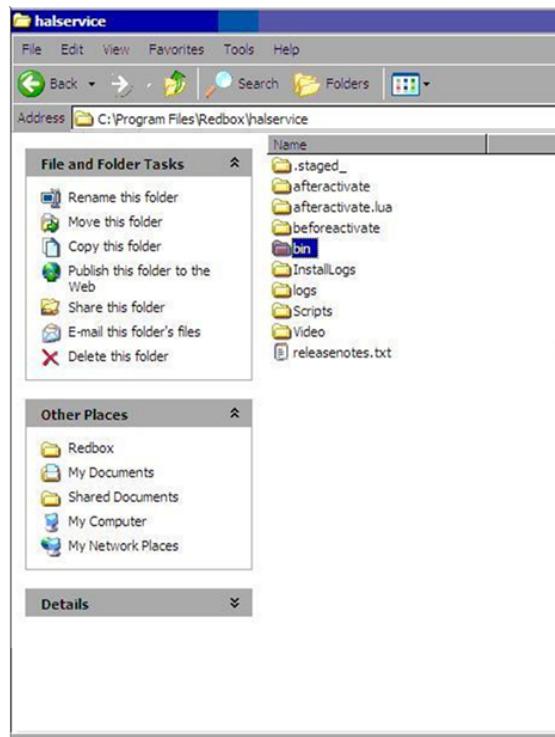
8. Go back to the Redbox Desktop

9. Select the 'Redbox Folder' icon



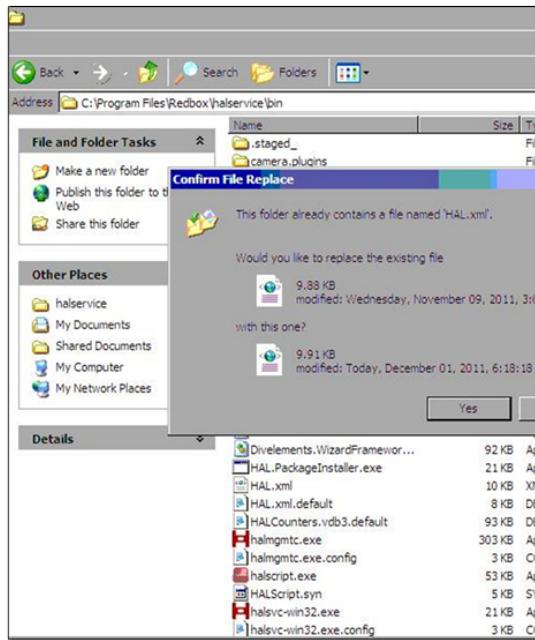
10. Once inside the 'Redbox Folder', locate the 'halservice' folder

11. Open the 'halservice' folder



12. Once inside the halservice folder, locate the 'bin' folder

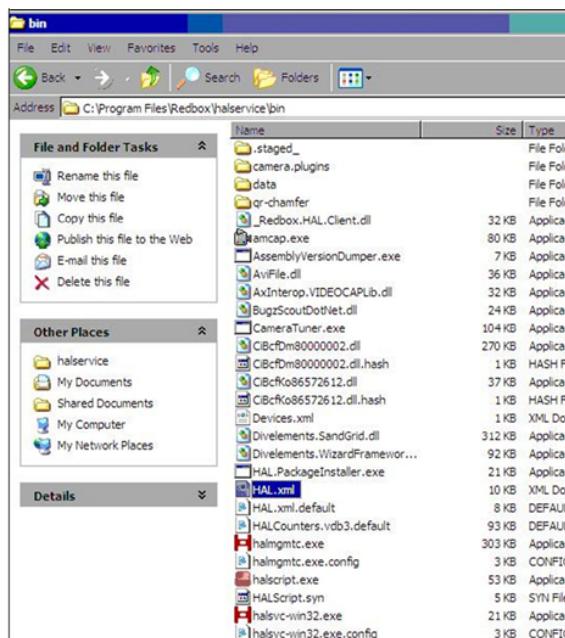
13. Open the 'bin' folder



14. Once in the 'bin' folder, right click off the side or any empty space

15. Select 'Paste'

16. The dialogue box to the left will most likely appear. Select 'Yes' to replace the existing file



17. The correct 'HAL.xml' file is now in the folder

18. For the new file to be in effect you must restart the HAL service or reboot the kiosk.

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**Tools/Parts Needed:** Thumb Drive, Keyboard

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**Associated TSB's:**

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<i>Owner</i>	<i>Department</i>
Created by: Steven Demunster	Machine Support
Published by: Elric Zufan	Machine Support

Revision#	Date	Description
0.0	12/1/2011	Document created

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