NVERZION

ETHERNET MACHINE CONTROL

Machine Control is a fundamental — and critical — component of any automation system. Whether acquiring, processing or playing media, there's a piece of hardware somewhere carrying out that task. NVerzion's EMC-NT solution enables the control of all system elements via a network-based protocol that simply links the operator to their workflow.

EMC-NT allows for the control of any device such as video servers, character generators, routers, and more by constantly awaiting machine control requests from other applications across the Ethernet connection. These requests are then executed using a dedicated serial or Ethernet connection from EMC-NT to the appropriate device.

EMC-NT can also be configured to perform delegation, meaning a certain station or application can be given priority, providing dynamic source conflict resolution. This feature is especially useful in applications where a certain piece of equipment is being utilized for multiple functional areas.

🔁 EMCNTI E				
Action				
Clevis Delegation Disabled NV531 + 0x704 NV532 + 0x744 NV522 + 0x744 NV522 + 0x744 P SocketLett P SocketLett P NCTL-NBC - 0x704 NCTL-NBC - 0x704 NCTL-ABC - 0x704 P Machine Status P				✓ Display Debug ServeControlT Pread: MX522 GetTimeRemony 980.0.0.0 ServeControlT Pread: MX522 GetTimeRemony 980.0.0 ServeControlT Pread MX523 GetTimeRemony 980.0.0 ServeControlT Pread MX523 GetTimeRemony 980.0.0 ServeControlT Pread MX512 IntelFiniteRemony 980.0.0 ServeControlT Pread MX512 IntelFiniteRemony 980.0.0 ServeControlT Pread MX511 GetTimeRemony 980.0.0 Control Control Tread MX512 GetTimeRemony 980.0.0 Control Control Tread MX512 GetTimeRemony 980.0.0 ServeControlT Pread MX511 GetTimeRemony 980.0.0 Control Control Tread MX512 GetTimeRem
Device	Status Cu	ed Play	Time Code	Sending a continue command to machine NVS11 Sent a play command to machine NVS11
NVS11	P/R/Cued 33	4679 328779	00:00:25:01	ServerControlThread: NVS31 GetTimeRemaing 99:0:0:0 ServerControlThread: NVS21 GetTimeRemaing 99:0:0:0 LoopInto at CUEWITHYZ1 GetTimeRemaing 99:0:0.1astPlayInPoint=0 lastPlayed= 328779
FX11	Connected		00:00:25:01	CServerControlThread for NVS11 - Cued 328779 (0.900) sucessful (using sock 2032)
NVS12	P/R/Cued 33:	2736 334720	00:00:17:01	dur= 30 00 00 5c pos= 00 00 00 00
FX 12	Connected		00:00:17:01	CServerControlThread Cloud Server Cue Received cue message for device = 0 type= 50 mattd = 328779 timecode = 0
NVS21	P/R/Cued 32	8852 364505	00:00:29:05	CServerControlThread for NVS11 - Send roll command (using sock 2032) Sending a continue command to machine NVS11
FX21	Connected		00:00:29:05	Sent a play command to machine NVS11 ServerControlThread: NVS12 GetTimeFlemaing 99: 0: 0: 0
NVS22	P/R/Cued	331748	00:01:02:01	ServerControlThread: NV522 GetTimeRemaing 99: 0: 0: 0 ServerControlThread: NV512 GetTimeRemaing 99: 0: 0: 0
FX22	Connected		00:01:02:01	LoopInfo at CUEWITHTC for NVS11 lastDuration=1798.lastPlavInPoint=209 lastPlaved= 331725
NVS31	P/R/Cued 33	2450 332567	00:00:59:11	CServerControlThread for NVS11 - Cued 331725 (209,1798) succesful (using sock 2032) dur= 59 00 00 5c
FX31	Connected		00:00:59:11	pos≃ 06 00 00 28 CServerControlThread Cloud Server Cue

Features:

- Controls multiple machines
 along a distributive network
- Allows multiple applications to utilize any machine in the network
- Each EMC-NT can control up to sixteen devices
- Loop-through capability available for use with master control interfaces

Benefits:

- Provides fail-safe environment
- More efficient operation with network-based control
- Supports and interfaces with legacy machine control systems
- Allows individual control or delegated control by the overall automation system