

CALLING ALL NEW CYGNET ADMINS! Best Practices, Common Challenges, and System Failure Prep

Adam Johnson CygNet Support Analyst

November 2018



Introduction



CygNet Support

Quality

Adam Johnson

Troubleshooting

What are we going to cover?



Challenges



Best Practices



Preparedness

What are we going to cover?

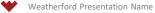


Supporting You

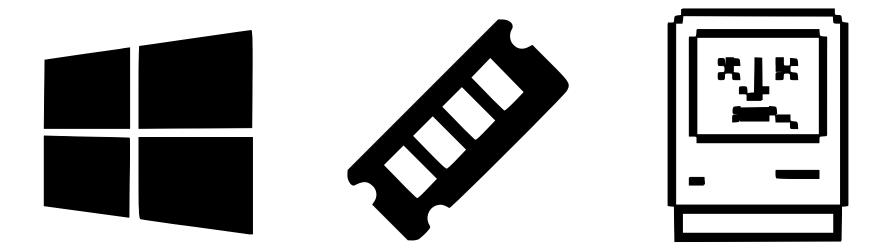


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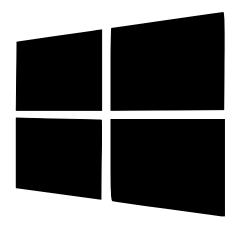
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Windows Resources Aberrant



Windows

Security

Group Policy

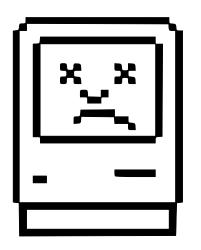
Networking



Memory

Hard Drive

Ports

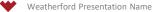


Aberrant

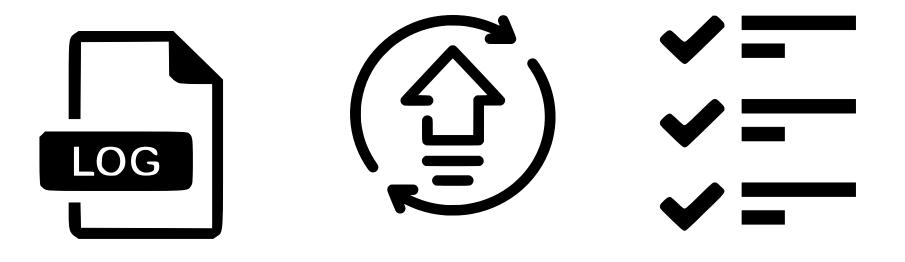
Crash

Bugs

Misconfigured

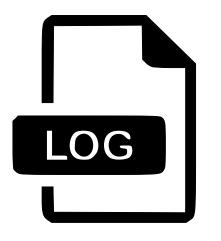






Logging

Patching Consistency



Logging

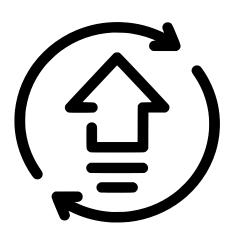
Monitoring

Cleaning

Reviewing

Cleaning Logs...

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4/1/2017 10:33:45.899					RegNum: 20.3.18, size of 0 bytes is invalid (-2147483838), RegisterNag.cpp line 264 (class CRegisterFromDeviceNag). Handled: RegisterNag.cpp line 270 VsIException.cpp 638 nLOC_EXCEPTIONS
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					regram: 01.3.2, site of 0 bytes is invalid (-10/480508), RegraterRegrup line 264 (class ChegisterFromberiosMg), Handled, RegisterRegrup line 270 (Visinseption.cpp) [628] HOD_EXCEPTIONS
					Angenine 10.3.30, size of 0 bytes is invalid (-214748353), RegisterHegroup line 264 (class CRegisterFormDeviceMag), Handled, RegisterHegroup line 270 ValException, opp 628 ILOC EXCEPTIONS
4/1/2017 10:33:45.899					RaNum: 20.3.31, size of 0 bytes is invalid (-2147483638), RagisterMag.cop line 264 (class CRagisterFromDeviceMag), Handled: RagisterMag.cop line 270 VsiException.cop 628 nLOG EXCEPTIONS
4/1/2017 10:33:45.899					RagNum: 20.3.33, size of 0 bytes is invalid (-2147483638), RegisterWag.cpp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 nLOG EXCEPTIONS
4/1/2017 10:33:45.899					RegNum: 20.12.0, size of 0 bytes is invalid (-2147483638), RegisterMag.opp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.opp line 270 VaiException.opp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:45.899	12788	EXCEPTION (V)	SWANK_C:TF B	F TankData(0):	RegNum: 20.12.2, size of 0 bytes is invalid (-2147483638), RegisterMag.cpp line 264 (class CRegisterFromDeviceNag). Handled: RegisterMag.cpp line 270 VsiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:45.899					RegNum: 20.12.4, size of 0 bytes is invalid (-2147483638), RegisterMag.cpp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:45.899					RegNum: 20.12.6, sire of 0 bytes is invalid (-2147483638), RegisterMag.cpp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VsiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:45.915					RegNum: 20.12.8, size of 0 bytes is invalid (-2147483638), RegisterMag.cpp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:45.915					RegNum: 20.12.10, size of 0 bytes is invalid (-2147483638), RegisterKag.opp line 264 (class CRegisterFromDeviceMag). Handled: RegisterKag.opp line 270 VsiException.opp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:53.415					Daid: DIOI expected 4 bytes, reg size is 1 bytes, Skipping Daid (-2147483638), RegisterKag.opp line 658 (class CRegisterFromDeviceMag). Handled: RegisterKag.opp line 270 VaiException.opp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:53.415					Daid: DIO2 expected 4 bytes, reg size is 1 bytes, Skipping Daid (-2147483638), RegisterHag.cpp line 658 (class CRegisterFromDeviceMag). Handled: RegisterHag.cpp line 270 VaiException.cpp 628 ALOG_EXCEPTIONS
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4/1/2017 10:33:53.415					Daid: DIOS expected 4 bytes, reg size is 1 bytes, Skipping Daid (-2147483638), RegisterMag.cpp line 658 (class CRegisterFromDeviceMag). Handlad: RegisterMag.cpp line 270 VaiException.cpp 628 nLOG EXCEPTIONS
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4/1/2017 10:33:53.415	13684	EXCEPTION (V)	: THOM_F:TF F		Deid: DIll expected 4 bytes, reg size is 1 bytes, Skipping Deid (-2147483638), RegisterNag.opp line 658 (class CRegisterFromDeviceMag). Handled: RegisterNag.opp line 270 VaiException.opp 628 nLOS_EXCEPTIONS
4/1/2017 10:33:53.415					Deid: DI12 expected 4 bytes, reg size is 1 bytes, Skipping Deid (-2147483638), RegisterMag.cpp line 658 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:53.431					Deid: TnkComLoss expected 4 bytes, reg sire is 2 bytes, Skipping Deid (-2147483638), RegisterMag.opp line 658 (class CRegisterFromDeviceMag). Handled: RegisterMag.opp line 270 VaiException.opp 628 nLOG_EXCEPTIONS
4/1/2017 10:33:53.431					Deid: HLSD expected 4 bytes, reg size is 2 bytes, Skipping Deid (-2147483638), RegisterKag.cpp line 658 (class CRegisterFromDeviceMag). Handled: RegisterKag.cpp line 270 VaiException.cpp 628 nLOG_EXCEPTIONS
					ption) Handlad: DisDeviceManagerBase.cpp line 994 ValException.cpp 750 ALG_EXCEPTIONS
					Daid: DIO1 expected 4 bytes, reg size is 1 bytes, Skipping Daid (-2147485638), Registerkeg.cop line 558 (class CRegisterFeromDeviceMag), Endided: Registerkeg.cop line 270 [VaiException.cop 628 nLOC EXCEPTIONS
					Daid: DIO2 expected 4 bytes, reg size is 1 bytes, Skipping Daid (-214748558), RegistateWay.opp line 658 (class CRegisterFormDeviceWay). Handled: RegistateWay.opp line 270 Vaikneeption.opp 638 nLO2_EXCEPTIONS Daid: DIO3 expected 4 bytes, reg size is 1 bytes, Skipping Daid (-214748558), RegistateWay.opp line 370 (class CRegistateFormDeviceWay). Handled: RegistateWay.opp line 370 Vaikneeption.opp 638 nLO2_EXCEPTIONS
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4/1/2017 10:34:25.181	13684	EXCEPTION (V)	MILLER_Y.TF	F TankDataW(0):	Deid: DIO8 expected 4 bytes, reg size is 1 bytes, Skipping Deid (-2147483638), RegisterMag.copp line 658 (class CRegisterFromDeviceMag). Handled: RegisterMag.copp line 270 VaiException.copp 628 nLOG_EXCEPTIONS
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4/1/2017 10:34:32.727					RegNum: 7.115.1, size of 0 bytes is invalid (-2147483638), RegisterMag.cop line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.cop line 270 VaiException.cop 628 nLOC EXCEPTIONS
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4/1/2017 10:34:32.727	12788	EXCEPTION (V)	UP_41_PA:TF	F TankData(0):	RagNum: 7.115.3, size of 0 bytes is invalid (-2147483638), RagisterMag.cpp line 264 (class CRagisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 nLOC_EXCEPTIONS
4/1/2017 10:34:32.727	12788	EXCEPTION (V)	: UP_41_PA:TF	F TankData(0):	
4/1/2017 10:34:32.727					RegNum: 7.115.5, size of 0 bytes is invalid (-2147483638), RegisterMag.opp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.opp line 270 VsiException.opp 628 nLOG_EXCEPTIONS
4/1/2017 10:34:32.727				F TankData(0):	RegNum: 7.115.6, size of 0 bytes is invalid (-2147483638), RegisterWag.cpp line 264 (class CRegisterFromDewiceMag). Handled: RegisterMag.cpp line 270 VsiException.cpp 628 nLOG_EXCEPTIONS
4/1/2017 10:34:32.727				F TankData(0):	RegNum: 7.115.7, size of 0 bytes is invalid (-214748383), RegisterMag.cpp line 2764 (class CRegisterFromDeviceMag). Handled: RegisterMag.cpp line 270 VaiException.cpp 628 LLOG_EXCEPTIONS
4/1/2017 10:34:32.727				F TankData(0):	RegNum: 5.8.0, size of 0 bytas is invalid (-2147483638), RegisterMag.opp line 264 (class CRegisterFromDeviceMag). Handled: RegisterMag.opp line 270 YaiException.opp 628 InCo_EXCEPTIONS
4/1/2017 10:34:32.727					RegNum: 5.8.1, size of 0 bytas is invalid (-214748588), RegisterMag.opp line 254 (class CRegisterFromDaviceMag), Handled: RegisterMag.opp line 270 [VaiException.opp] [628 IAOG_EXCEPTIONS
4/1/2017 10:34:32.727	1 12788				RegNum: 3.8.3, size of 0 bytes is invalid (~114748588), RegisterMag.cop line 254 (class CRegisterFromDeviceMeg). Handled: RegisterMag.cop line 270 VaiEnception.cop 628 nLOG EXCEPTIONS
4/1/2017 10:34:32.727	1 12788				Regium: 5.8.4, size of 0 bytes is invalid (~114748588), RegisterMag.opp line 254 (class ChegisterFonDeviceMag), Randled: RegisterMag.opp line 270 Vaikseption.opp 628 nLOG EXCEPTIONS Regium: 5.8.6, size of 0 bytes is invalid (~124748588), RegisterMag.opp line 254 (class ChegisterFonDeviceMag) Randled: RegisterMag.opp line 270 Vaikseption.opp 628 nLOG EXCEPTIONS
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Patching

Access

Verification

Applying



Conventions

Standards

Monitoring









Alarms





Set up + Maintain

Historize

Review



Alarms

Configuration

Notifications

Historization



Options

Verification

Planning





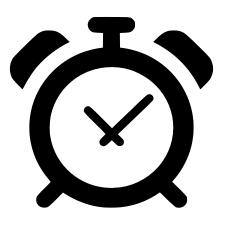


Contact

Phone/Email

Details

Responses

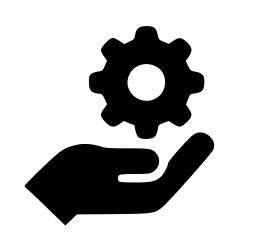


Time

Working Hours

Unlimited

On Call

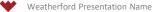


Services

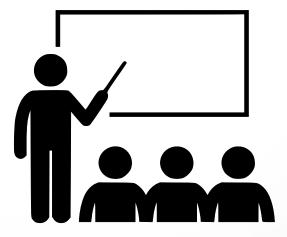
General

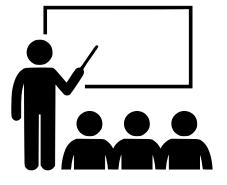
Project

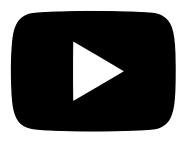
Our Mission



I Training and Learning









Classes Videos Help Doc

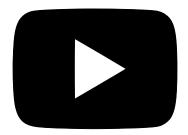


Classes

In-Person

Questions

Test Environment



Videos

Time

Visuals





Help Doc

Install

Read

Extensive