REVERSE ENGINEERING

MALWARE ANALYSIS

Indian Cyber Security Solutions
in association with
# Indian Institute of Cyber Security

Discover the world of cyber defense with our Reverse Engineering and Malware Analysis Program, crafted by Indian Cyber Security Solutions and the Indian Institute of Cyber Security. This course provides hands-on training in analyzing malware, understanding attack patterns, and reverse-engineering malicious code.

Learn to examine malware behavior, unpack and debug binaries, identify indicators of compromise, and develop strong detection and mitigation strategies—all guided by industry professionals.
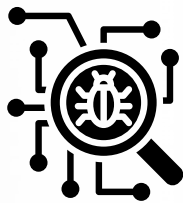
Ideal for those pursuing careers in threat intelligence, incident response, or digital forensics, this program equips you to handle real-world cyber threats with confidence.

About the Program
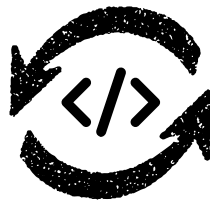
code reversing

malware behavior analysis

threat investigation

In this advanced program, we take you deep into the world of reverse engineering and malware analysis, equipping you with the practical skills needed to understand, dissect, and defend against modern cyber threats. The course focuses on hands-on learning in malware behavior analysis, code reversing, and threat investigation techniques.

You'll explore real-world malware families, static and dynamic analysis methods, debugging, unpacking, exploit techniques, and tools used by professional malware analysts. Through practical labs and simulation-based challenges, you'll learn how to identify indicators of compromise, trace malicious activities, and develop effective detection and mitigation strategies.

Whether you're an aspiring threat analyst or a cybersecurity enthusiast aiming to enter the fields of digital forensics, incident response, or threat intelligence, this program opens the door to a specialized and high-demand career in cyber defense.

Certification

After the completion of the course, candidates will get a joint certificate from Indian Cyber Security Solutions and Indian Institute of Cyber Security

INDIAN INSTITUTE OF CYBER SECURITY

In association with **Indian Cyber Security Solutions**
AN ISO 27001 & 9001:2015 Certified Company
Certificate Number: IICS3690XXXXXXX

— CERTIFICATE OF COMPLETION —

This is to acknowledge that

OXOXOXOXOX

has successfully completed the Reverse Engineering and Malware Analysis Training

Issue Date: XXXXXXXXXXX

ABHISHEK MITRA
CEO & MD

ISO 27001
ISO 9001

SHILPI DUTTA
CHIEF OF STAFF

Course Fee

Class Room Training	Online LIVE Training
Course Fee: INR 20,000/ (One-time payment) **Course Duration: xxHours** **3 Months Training** 2 Classes Per Week X 2 Hours Each Day **Batch Timing** Week End Classes | Week Days Classes	**Course Fee: INR 20,000/** (One-time payment) **Course Duration: xx Hours** **3 Months Training** 2 Classes Per Week X 2 Hours Each Day **Batch Timing** Week End Classes | Week Days Classes

University Training Partner's

Jadavpur Universisty

Adamas University

IIT Guwahati

IIT Kharagpur

GNIIT

Lovely Professional University

Bangalore Institute of Technology
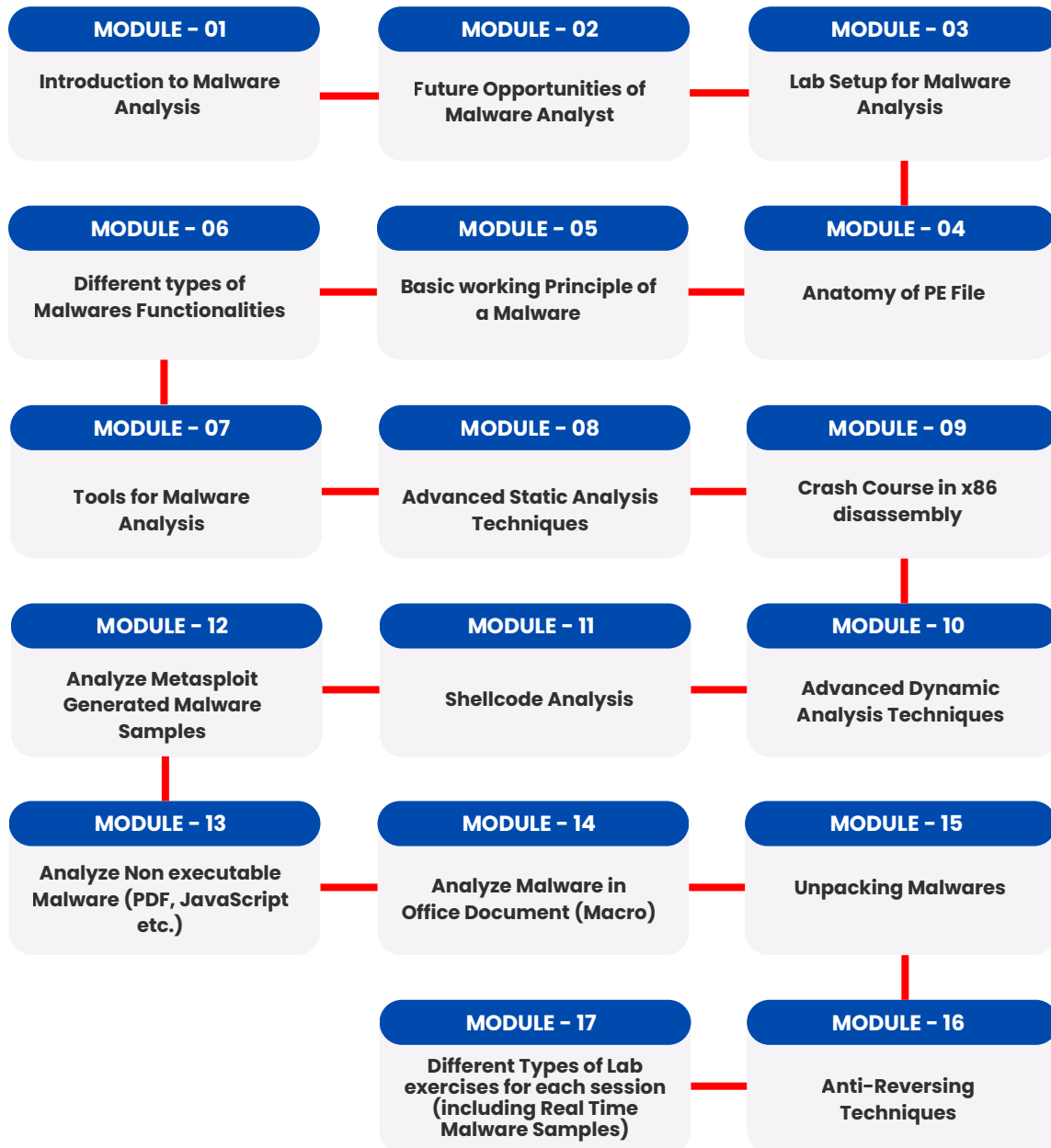
Bengal Institute of Technology and Managem

Anna University

UNIVERSITY OF ENGINEERING & MANAGEMENT
Good Education, Good Jobs

Course Module

MODULE – 01

Introduction to Malware Analysis

MODULE – 02

Future Opportunities of Malware Analyst

MODULE – 03

Lab Setup for Malware Analysis

MODULE – 06

Different types of Malwares Functionalities

MODULE – 05

Basic working Principle of a Malware

MODULE – 04

Anatomy of PE File

MODULE – 07

Tools for Malware Analysis

MODULE – 08

Advanced Static Analysis Techniques

MODULE – 09

Crash Course in x86 disassembly

MODULE – 12

Analyze Metasploit Generated Malware Samples

MODULE – 11

Shellcode Analysis

MODULE – 10

Advanced Dynamic Analysis Techniques

MODULE – 13

Analyze Non executable Malware (PDF, JavaScript etc.)

MODULE – 14

Analyze Malware in Office Document (Macro)

MODULE – 15

Unpacking Malwares

MODULE – 17

Different Types of Lab exercises for each session (including Real Time Malware Samples)

MODULE – 16

Anti-Reversing Techniques

Key Highlights

- **1** No Cost EMI & Educational Loan
- **2** Lifetime Access to Hackers Lab
- **3** 100% Placement Support
- **4** 3 Months Training
- **5** Classroom Training
- **6** Online Training
- **7** Certification & Live Projects
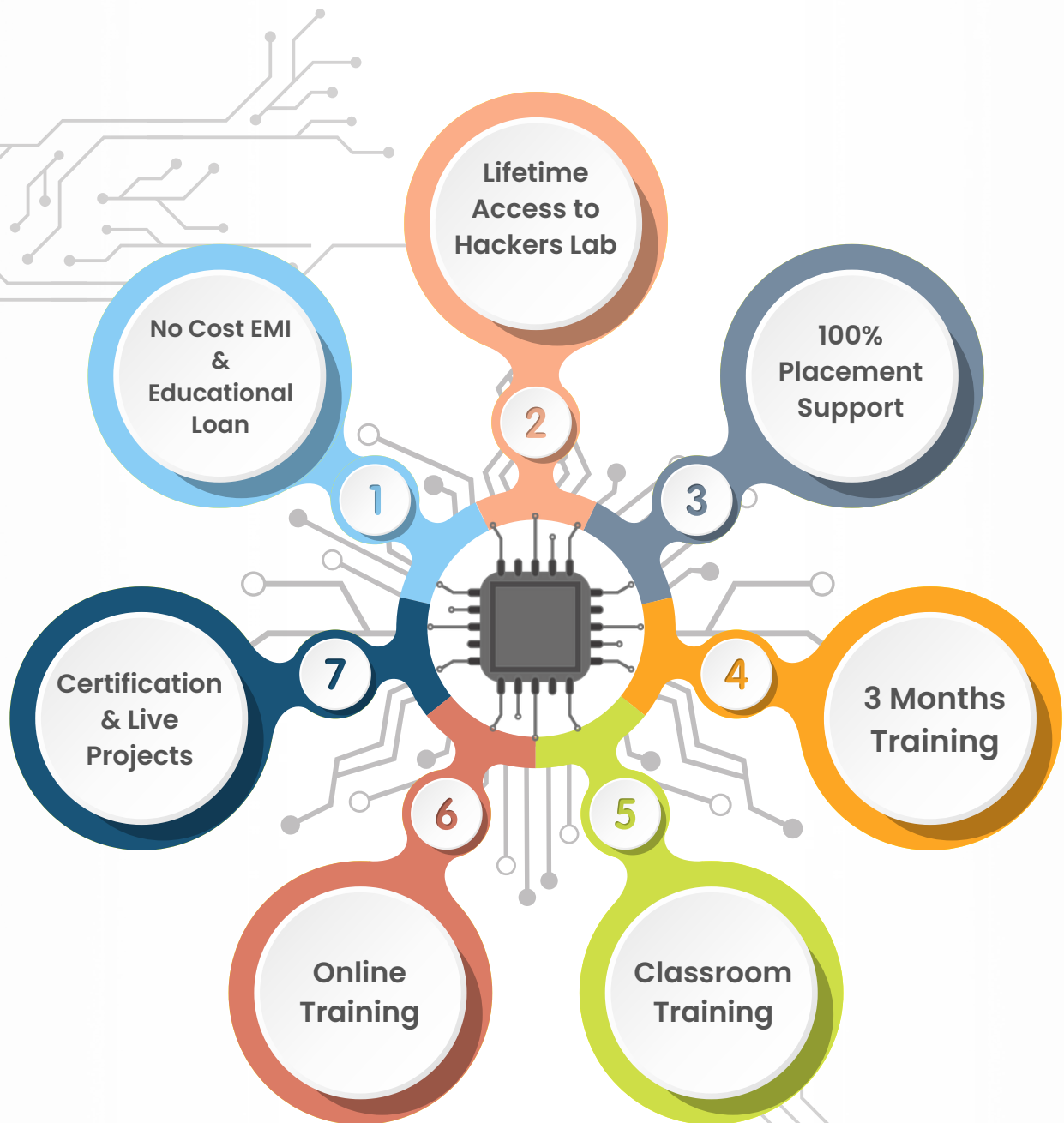
Why Choose

Diploma in Advanced Cloud & Network Security at ICSS

Expert Instructors

Learn from industry professionals with deep expertise in malware analysis, reverse engineering, threat intelligence, and incident response—bringing real-world insights straight to your training.

Practical and Hands-on Training

Gain extensive hands-on experience through live malware labs, debugging sessions, static and dynamic analysis, unpacking exercises, and real threat investigation scenarios.

Flexible Learning Options

Designed to fit your schedule with both online and in-person learning options, making advanced cybersecurity education accessible for students and working professionals.

Global Recognition & Networking Opportunities

Build skills aligned with global cybersecurity roles, collaborate with expert analysts, and gain exposure to industry tools and techniques used worldwide in threat analysis and forensics.

Eligibility Critaria

Technical

Individuals with a Technical foundation can expand their expertise by enrolling in Reverse Engineering and malware analysis Course

- Familiarity with computer systems, software and programming concepts is helpful.

- No formal experience required, but some exposure to coding or IT concepts is beneficial.

- Comfort with technology, logical thinking, and problem-solving abilities are advantageous.

- Willingness to learn and explore technical topics is important.

- Individuals interested in cloud computing and Azure services are encouraged to join.

Non-Technical

Students from non-technical disciplines can pursue courses in Reverse Engineering and malware analysis Course

- A keen curiosity about technology and the cloud is all you need to start.

- No coding or technical skills are necessary to begin the training.

- Comfortable using a computer and basic software applications.

- An open mind and a desire to understand new concepts.

- Good communication skills to collaborate effectively with tech experts.

Job Opportunities

ICS/SCADA & OT Security Testing

1 Malware Analyst

Analyzes malicious software to uncover behavior, indicators of compromise, and attack patterns.

2 Threat Intelligence Analyst

Identifies emerging threats and attacker techniques to strengthen an organization's security posture.

3 Reverse Engineer

Disassembles and debugs code to understand how malware and applications function internally.

4 Digital Forensics Investigator

Examines compromised systems, traces attack paths, and collects evidence for investigations.

5 Incident Response Specialist

Handles active security incidents, contains attacks, analyzes malware, and restores system integrity.

6 Security Researcher

Explores vulnerabilities, studies exploits, and develops advanced defensive tools and insights.

Trainers Profile

- **Expert Trainers in Reverse Engineering:**
  Experts in reverse engineering, threat intelligence, exploit analysis, and dissecting real-world malware samples.

- **Hands-On Teaching Approach:**
  Live practical labs covering static and dynamic analysis, debugging, unpacking, sandboxing, and real malware behavior studies.

- **Years of Industry Experience:**
  Trainers with strong backgrounds in cyber forensics, incident response, malware research, and advanced threat investigation.

- **Corporate Training Expertise:**
  Experience delivering specialized security training aligned with industry frameworks, enterprise environments, and modern attack vectors.

- **Personalized Learning Support:**
  Focused one-on-one guidance, detailed feedback, and continuous support throughout the course.

- **Career Guidance & Mentorship:**
  Assistance with interviews, resumes, and career growth in malware analysis, digital forensics, and threat research roles.

Student Achievements
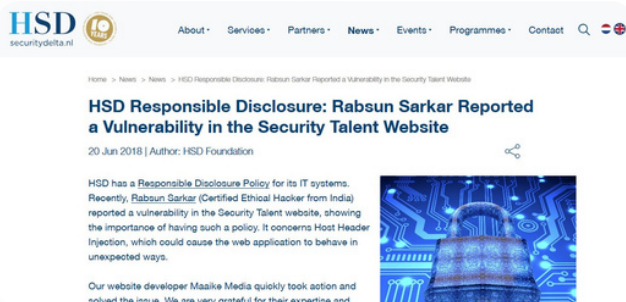
Rabsun Sarkar one of our students has found zero-day vulnerabilities in Google and in the Security Talent Website and also reported the same:

https://securitydelta.nl/news/overview/hsd-responsible-disclosure-rabsun-sarkar-reported-a-vulnerability-in-the-se- curity-talent-website
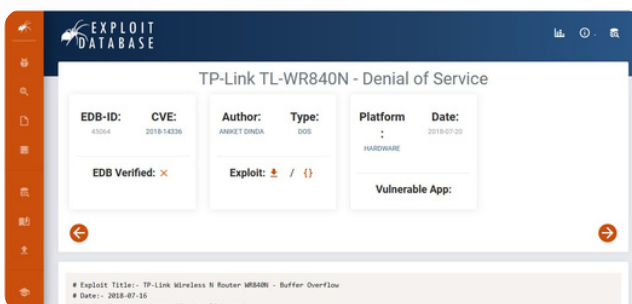
Aniket Dinda is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

https://www.exploit-db.com/exploits/45064

Nainsi Gupta is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

https://www.exploit-db.com/exploits/45164
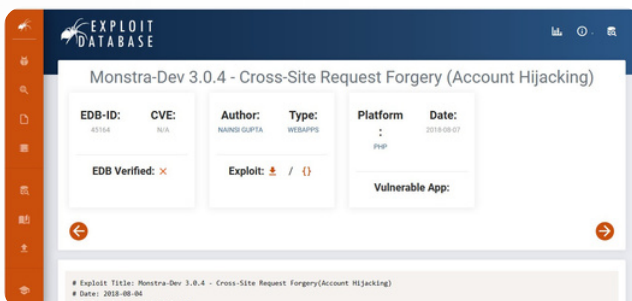
Our Recent
Placements

Placed at: **Tecplix**
CTC 3.6 LPA

SUVHANKAR PROSAD KAR

CCNA

Check Offer Letter

Placed at: **Tecplix**
CTC 3.6 LPA

NAGACHARAN UN

Ethical Hacking

Check Offer Letter

Placed at: **BLACK BOX**
CTC 4.5 LPA

ARAPAN SAHA

CCNA

Check Offer Letter

Placed at: **Tecplix**
CTC 3.6 LPA

KUSHAL MV

WAPT

Check Offer Letter

Placed at: **Tecplix**
CTC 3.6 LPA

AYUSH RATHORE

WAPT

Check Offer Letter

Internship at: **ARMATRICS Applications**
CTC 2.3 LPA

PRASANDEEP SUTRADHAR

Diploma in Cyber Security

Check Offer Letter

Internship at: **exotel**
CTC 2.4 LPA

ANIKET KUMAR

Diploma in Cyber Security

Check Offer Letter

Internship at: **ARMATRICS Applications**
CTC 1.8 LPA

TANHAZ HUSSAIN

Ethical Hacking

Check Offer Letter

Internship at: **Scrut Automation**
CTC 2.4 LPA

SHIBASHISH SAHA

CEH

Check Offer Letter

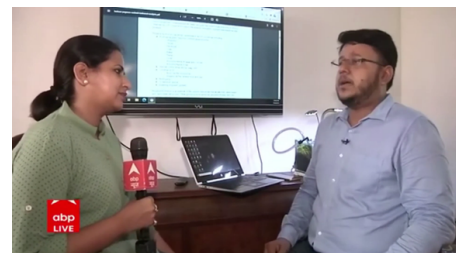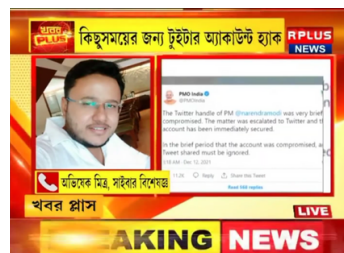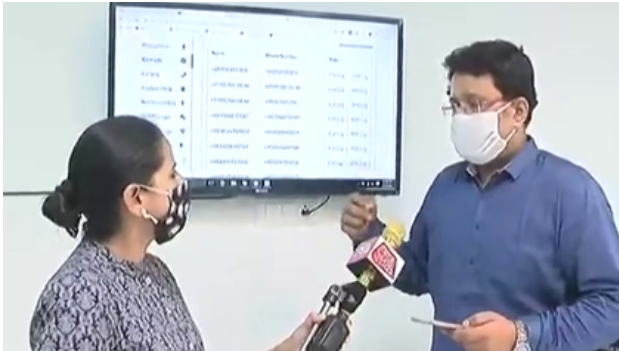# Our Achievements

Media Coverages

Seminar & Workshop

Kolkata Police (Cyber Crime Department)

CISF Nes HQTRS Kolkata

Royal Police & Army of Bhutan

IIT Kharagpur (2017)

IIT Guwahati

Anna University, Chennai

Lovely Professional University

Guru Nanak Institute of Technology- Jis Group

Seminar & Workshop

Supreme Knowledge Foundation

Live Cybersecurity Demo with Bhutan Security Forces

Cyber Security Training at Lux Cozy

Cyber Security Workshop at Police Department

Smartathon 2024, hosted by Ericsson Telecommunications Inc.

Cybersecurity Conference at Keens Conference, Hyderabad

Cyber Security Workshop at ICFAI University

Certificate distribution Windhoek, Namibia

Seminar & Workshop

Cyber Security Workshop in Namibia

Cyber Security Training Session for LIC Senior Management

Mr. Abhishek Mitra Was Invited to CSIR-CIMFR's IoT-Based Smart Mining Initiative

Mr. Abhishek Mitra is invited to conduct a workshop IIT (ISM) Dhanbad.

Mr. Abhishek Mitra is invited to conduct a workshop at CSIR–CIMFR, Dhanbad.

Mr. Abhishek Mitra Invited to Conduct Workshop at Govt. Polytechnic, Nirsa Dhanbad

ICSS and IICS conducted a session at ICFAI University on Cyber Security and Legal Frameworks.

Our Hiring Partners

Other Collaborators

Parul University: Indian Cyber Security Solutions (ICSS) is delighted to join forces with Parul University in April 2022, marking the start of a five-year strategic collaboration focused on pushing the boundaries of cybersecurity education and research. ICSS will be investing its expertise and resources into this venture, equipping students with unrivaled skills for success in their field - ultimately igniting positive change across the industry through our steadfast commitment. We are brimming with anticipation over what incredible results will come from this partnership!

MAKAUT (ISKFGI College): With the ever-growing demand for skilled cybersecurity professionals. ICSS has teamed up with SKFGI College in a long-term partnership to establish an industry-leading program. For 10 years we will use our wealth of expertise and resources to ensure that students receive cutting-edge knowledge and skills from this collaboration- creating future leaders who can tackle any cybersecurity challenge. Our ambition is clear-develop tomorrow's talent today by empowering young minds into becoming successful digital citizens!

Lovely Professional University: Indian Cyber Security Solutions has collaborated with LPU to organize cyber security workshops, Hackathons and Bootcamps. The students at LPU put their skills to the test, making for a truly inspiring event. LPU and ICSS have decided to organize more such events as these events help them to sharpen the skills.

Brands that Trust
Our Competencies

Contact Us

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