AI+ Course

(Machine Learning+ or
Data Science+)

Delivered in association with

CAMBRIDGE | Enterprise

Innovative, Bold & Inspiring

OUR PROGRAMMES MAKE A LASTING IMPRESSION

Contents

Dear Students and Families

> **"** Students don't just prepare for their next steps in education—they gain the skills and insights necessary to stand out in a **globalised world. "**

Welcome to CL Global Academy's AI+ (Machine Learning+ or Data Science+) course, where we are dedicated to empowering ambitious students from across the globe to excel, innovate and shape their futures.

It's my privilege to introduce you to an opportunity that not only deepens academic knowledge but also transforms students into confident, well-rounded global citizens ready to take on the world.

At CL Global Academy, we offer more than just world-class teaching. Our courses combine personalised instruction from Cambridge professors with hands-on project-based learning, all in an environment designed to help students thrive. What truly sets us apart is the cultural immersion we provide: our activities, events and trips are led by Cambridge students who serve as both local guides and mentors.

Through this unique lens, participants gain a deeper connection to the city, its history and its vibrant academic community—an experience that will stay with them for years to come.

I know firsthand how transformative a Cambridge experience can be. As a former student myself, the lessons I learned extended far beyond the classroom. I grew not only as a scholar but as an individual, discovering new strengths, forming lifelong friendships and building the foundations for my future. Cambridge is a place where curiosity is rewarded and where pushing beyond your comfort zone leads to extraordinary growth—both academically and personally. Some of my most cherished memories were made here, and I know this experience has the same potential to shape your journey.

At the core of the AI+ (Machine Learning+ or Data Science+) course are three guiding principles: Academic Excellence, Collaboration and Global Perspective. Through our rigorous academic approach, collaborative projects and exposure to diverse viewpoints, students don't just prepare for their next steps in education—they gain the skills and insights necessary to stand out in a globalised world.

So, who will you become by joining the AI+ (Machine Learning+ or Data Science+) course? You'll become a confident learner with the ability to adapt and succeed in an increasingly interconnected world. Equipped with critical thinking skills, a broad global perspective and a deeper understanding of your own potential, you'll be better prepared for exceptional higher education.

Whether your goal is to study at a top-tier university or develop the skills for future career success, your time with us will be a vital step toward that future. I encourage you to read on and discover more about the course. From our world-class teaching to the rich cultural experiences that make Cambridge truly special, I believe your journey with us will be nothing short of life-changing. I look forward to welcoming you to Cambridge very soon.

Warm regards,

H. Knox

Harriet Knox

Academic and Programme Director

CL Global Academy

CL Global Academy is a prestigious, international education company that designs and delivers academically rigorous short courses in Cambridge. We are recognised by the Universities and Colleges Admissions Service (UCAS), accredited by the British Accreditation Council (BAC) and listed within the UK Government's "UK All-Round Education Catalogue."

At CL Global Academy, we pride ourselves on our long-standing relationships with our teaching partners at the University of Cambridge. Our courses are taught exclusively by current University faculty members, who nurture our students' interdisciplinary curiosity and diverse academic interests through project-based learning.

Accreditation

Officially accredited by the British Accreditation Council (BAC), our programmes have run continuously for nearly 15 years.

During this time, we have fostered a network of over 17,000 alumni. Among these, 20% have been accepted to top UK G5 universities, including the University of Cambridge and the University of Oxford, as well as Ivy League institutions, such as Harvard University, the University of Pennsylvania and Columbia University.

We are recognised within the UK Government's "UK All-Round Education Catalogue", which recognises our continuous contributions to the education industry and the UK's mission to promote British education in China and across Asia.

UK Government BAC BRITISH ACCREDITATION COUNCIL UCAS

Our Founding Principles

Academic Excellence

At the heart of the AI+ (Machine Learning+ or Data Science+) course is a commitment to academic excellence. Students are guided by world-renowned experts from the University of Cambridge, who challenge and inspire them to reach their full potential. This is your opportunity to refine your skills, discover new talents and embrace curiosity. By stepping outside your comfort zone and asking bold questions, you'll pave the way for your future academic and career success.
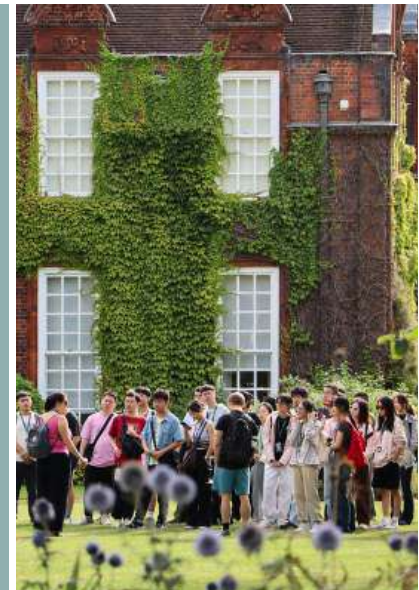
Global Collaboration

In an increasingly interconnected world, the ability to collaborate, communicate and build cross-cultural partnerships is invaluable. This course cultivates an informed, global outlook on contemporary issues. Through interactive workshops, stimulating discussions and project-based learning, students engage with diverse perspectives, enhancing their understanding of teamwork and global citizenship.

Lasting Memories

During their time in Cambridge, students take part in unforgettable experiences, build meaningful friendships and embrace opportunities that shape their futures. Through a blend of academic sessions and enriching cultural activities, students gain fresh perspectives, essential study skills and a deeper understanding of the world, setting them apart from their peers.

An Unforgettable Journey

The University of Cambridge is a world-leading institution, known for its tradition of academic excellence and groundbreaking research. With 125 Nobel Laureates and a legacy shaped by pioneers like Isaac Newton, Stephen Hawking and David Attenborough, Cambridge is a global hub of innovation and scholarship. Here, students learn from a vibrant community of scholars, innovators and industry leaders who push the boundaries of their academic fields. This forward-thinking and dynamic environment fosters intellectual and personal growth. The AI+ (Machine Learning+ or Data Science+) course offers the unique opportunity for students to join this legacy of outstanding achievement.

31
Cambridge Colleges

1209
A University founded over 800 years ago

125
Nobel Prizes by researchers affiliated with the University of Cambridge

The College Experience

Students who join the AI+ (Machine Learning+ or Data Science+) course with CL Global Academy live and study within Cambridge's historic colleges. These esteemed institutions are steeped in traditions of academic rigour and innovation, offering an authentic Cambridge experience. During their stay, students can access their college's gardens, library and communal spaces, enriching their connection to the college community and the University.
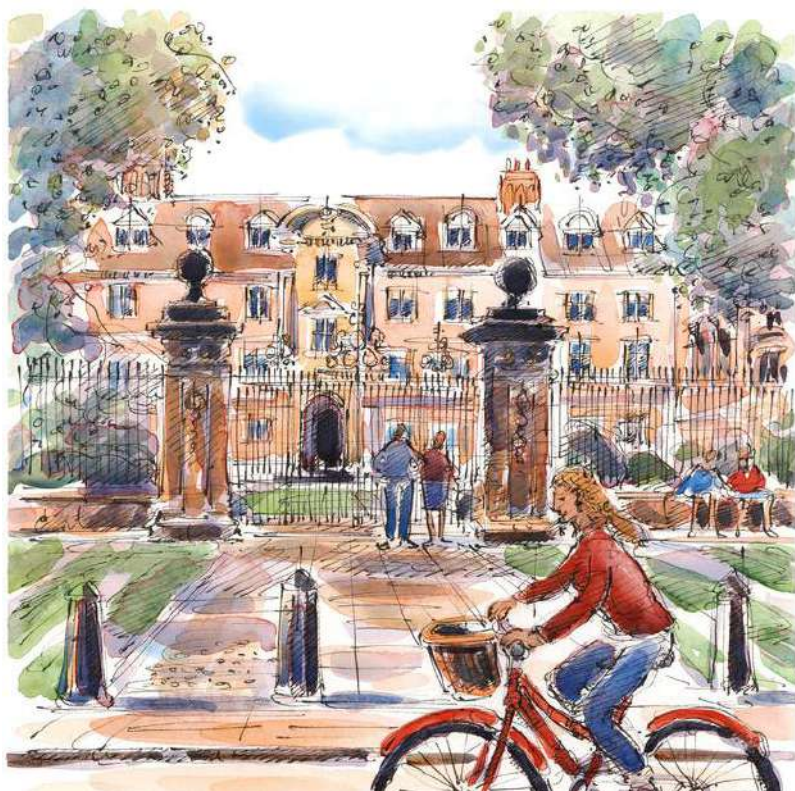
King's College Cambridge

Founded in 1441, King's College is one of the most iconic colleges in Cambridge, renowned for its central location, world-famous chapel and vibrant community of diverse scholars. During their stay, students become part of the College's rich academic and cultural legacy. They dine in the historic Hall, attend events in the Chapel and access resources that have supported some of Cambridge's finest minds, including Alan Turing, John Maynard Keynes and Xu Zhimo, whose legacy is commemorated with a memorial stone in the College grounds.

King's College fosters a culture of inclusion and intellectual curiosity, welcoming AI+ (Machine Learning+ or Data Science+) students into a vibrant community of learners. Staying here offers a transformative Cambridge experience, fostering lifelong connections and bold, creative thinking in one of the world's most inspiring academic settings.

St Catharine's College

St Catharine's College was founded in 1473 and boasts a rich and distinguished history of success. It prides itself on its reputation as a warm and welcoming institution located in the heart of Cambridge. During their stay, students immerse themselves in the College's prestigious history and vibrant, supportive atmosphere.

Students dine in the Hall, explore the beautiful courtyard gardens and engage with traditions that have shaped the College's legacy. Renowned alumni such as the actor Sir Ian McKellen, the British comedian Richard Ayoade and the dramatist James Shirley highlight the College's enduring influence in English culture and the arts.

Lucy Cavendish College

Lucy Cavendish College is inclusive and forward-thinking. Founded in 1965, it is renowned for its progressive ethos and commitment to academic achievement.

Lucy Cavendish College is committed to tackling scientific, social and technological challenges on a global scale. The College is celebrated for providing outstanding education within a vibrant, diverse and inclusive community, empowering students to become future leaders in their fields.

During their stay, students experience life in a dynamic, modern college, where they can enjoy the exceptional facilities, beautiful English gardens and enriching academic and cultural events.

Distinguished alumni, including award-winning authors, leaders in public health and pioneering scientists, reflect the College's ongoing influence in shaping the future across a wide range of disciplines.

Our academic sessions are meticulously designed to interweave core theoretical knowledge with innovative practical applications, combining rigorous content with collaborative learning.

Exceptional Academic Provision

Lectures

Lectures are delivered by instructors, who are current professors and industry experts from the University of Cambridge. Each 1 hour and 30 minute lecture introduces key academic concepts and theories, encourages questions and promotes critical thinking.

Workshops

Led by instructors, workshops offer students the opportunity to further explore lecture content and start their group projects. Instructors ask probing questions and encourage students to challenge themselves.

Group Study

Group study sessions are hosted by teaching assistants, who are current PhD students at the University of Cambridge. Under their expert guidance, students continue working on their group projects whilst preparing for the evaluation.

Evaluations

Students are cumulatively assessed based on several assignments completed throughout the programme. This includes a project proposal sheet, submitted before their arrival, as well as a project report and final presentation that is delivered collaboratively in their project groups.

Subject Selection 2025

AI in Diagnostics: Image Analysis & Bioinformatics

This course introduces students to the transformative applications of AI in healthcare, focusing on diagnostic tools, personalised treatment and predictive analytics. Designed to bridge theory and practice, the course offers expert-led sessions, contemporary projects and the opportunity to apply learned concepts to real-world challenges in the field of medicine.

AI in Law: Automation, Ethics & Legal Analytics

This course explores the transformative role of Artificial Intelligence in the legal sector, examining how automation, machine learning and data analytics are reshaping legal research, decision-making and practice. It provides a critical understanding of the ethical implications of AI in law, regulatory challenges and the balance between efficiency and accountability in legal AI applications.

Big Data & Financial Technology

This course challenges students to consider the intersection of advanced data analytics and financial innovation. The course explores topics such as data-driven decision-making and the transformative power of AI in fintech, focusing on applying theoretical concepts to solve real-world challenges. Through expert-led sessions and practical projects, students gain the skills needed to innovate in the rapidly evolving financial landscape.

Biotechnology Engineering & Healthcare Technology

This course introduces students to the integration of cutting-edge engineering principles and AI technologies in revolutionising healthcare and biotechnology, with a focus on practical applications, such as medical device innovation. Students develop the knowledge and skills to drive technological advancements and innovations.

Business Analysis & Entrepreneurship Innovation

Students explore the links between business analysis, entrepreneurship and AI research from a multidisciplinary perspective. The course covers how AI can help identify and define entrepreneurial opportunities, conduct market analysis and innovate operations. Students apply key principles in new and challenging ways, preparing them for a successful future in their field.

Electronic Systems & Intelligent Devices

This course explores the integration of Artificial Intelligence (AI) in the design and optimisation of electronic systems. Students will learn how AI can enhance the performance, efficiency and automation of modern electronic devices. Through practical applications, students will develop the skills to tackle complex challenges and innovate in the field of intelligent electronics.

Humanities, Art & Digital Creativity

This course delves into the complex and transformative role of AI in reshaping creative and humanistic fields. Students explore AI applications in digital art, literature, music and cultural preservation, balancing technical understanding with philosophical and ethical discussions. Under the mentorship of Cambridge professors, participants gain practical experience in using AI as a tool for innovation and expression in the arts and humanities.

Large Language Models & Generative AI

This course contemplates the transformative potential of advanced AI systems, such as GPT and DALL-E, in various domains. Students delve into the underlying principles of generative AI, its applications in fields such as science, education and engineering, and its advantages and limitations. Through interactive workshops and expert guidance, students acquire practical skills to harness these technologies for creative, impactful and ethical applications.

Materials & Smart Design: Discovering Sustainable Options

This course approaches sustainability through a material science lens, focusing on Smart Design and its innovations for environmental challenges. Students will gain practical insights into sustainable solutions, combining theoretical knowledge with real-world applications to drive responsible innovation.

Nanotechnology & Intelligent Materials

Students expand their knowledge on the groundbreaking advancements in nanoscience and its intersection with AI in developing innovative materials for diverse industries. Students gain insights into the applications of AI in the synthesis, properties and transformative potential of nanomaterials, combining cutting-edge theory with practical applications.

Quantitative Finance & Investment

In this course, students delve into the transformative role of AI in financial analysis, risk management and investment strategies. Students explore cutting-edge techniques in quantitative modelling and AI-driven decision-making, bridging theory with practical applications in the dynamic world of finance.

Reinforced Learning & Robotic Automation

This course examines the role of AI in optimising robotic systems through advanced reinforcement learning techniques. Students explore key concepts in autonomous decision-making and adaptive algorithms, applying their skills to innovate and solve complex problems in robotics and automation. The course positions students at the forefront of AI research, equipping them with cutting-edge knowledge to shape the future of intelligent robotics.

Cambridge Teaching

Our courses are led by experienced professors and industry experts affiliated with the University of Cambridge, who guide students through every stage of their learning journey. In small, collaborative groups, students work on real-world, contemporary projects, applying their knowledge with the diligent support of instructors who provide insights, challenge assumptions and encourage deeper exploration. This project-based learning approach allows students to develop critical skills for conducting cutting-edge research, under the mentorship of Cambridge's finest educators.

Sample Timetable

A GLIMPSE INTO YOUR SCHEDULE

Week 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:00–8:30	ARRIVAL DAY	COLLEGE BREAKFAST				LONDON TRIP DAY	FREE DAY
9.00–9.30							
9.30–10.00		Icebreaking & College Tour	Lecture		Fellow's Seminar		
10.30–11.00							
11.00–11.30			Supervision		FREE TIME		
12.00–12.30		COLLEGE LUNCH					
13.00–13.30							
14.00–14.30		Opening Ceremony	Workshop	Treasure Hunt & Outdoor Games	Workshop		
15.00–15.30							
16.00–16.30		GROUP PHOTOGRAPHY	Fellow's Activity	Punting	Fellow's Activity		
17.00–17.30							
18.00–18.30		DINNER IN COLLEGE HALL			Dinner (uncatered)		
19.00–19.30		Free Time	Group Study	British Culture Lecture	London & Oxford Trip Information Talk		
20.00–20.30							

Week 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:00–8:30	COLLEGE BREAKFAST						DEPARTURE
9.00–9.30	Workshop	King's College Chapel Cultural Visit	Lecture	Cambridge Discovery Group Activity	Group Study	Graduation Ceremony	
10.00–10.30							
11.00–11.30	Fellow's Activity		Supervision		Fellow's Activity		
12.00–12.30	COLLEGE LUNCH						
13.00–13.30							
14.00–14.30	Fitzwilliam Museum Cultural Visit	Fellow's Seminar	University Application Seminar	Group Study	Student Evaluations	FREE TIME	
15.00–15.30							
16.00–16.30		FREE TIME		FREE TIME			
17.00–17.30	DINNER IN COLLEGE HALL	Dinner (uncatered)		Dinner in College Hall	Dinner (uncatered)		
18.00–18.30							
19.00–19.30	FREE TIME	Cultural Study	Evening Talk	FREE TIME	Cultural Activity	Formal Dinner	
20.00–20.30							

Our Fellows Team

Our Fellows Team, comprised of current Cambridge undergraduates and recent graduates, plays an essential role in supporting our students. As mentors, Fellows lead students through their academic projects, city excursions and interactive activities, sharing insights into Cambridge life. Under their guidance, students navigate their academic responsibilities with confidence while experiencing the city's culture and heritage from a local perspective. This fellowship model fosters a welcoming, collaborative atmosphere, helping students build friendships and deepen their cross-cultural understanding.

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The Fellows also shared a lot of their experiences regarding further education and university life at Cambridge, which were really helpful to me. Overall, the Fellows in the programme felt more like advisors who could answer almost any question you had at any time, while also being friends you could chat with. They were genuinely enthusiastic about getting to know everything about you, just as we were about getting to know them. 99
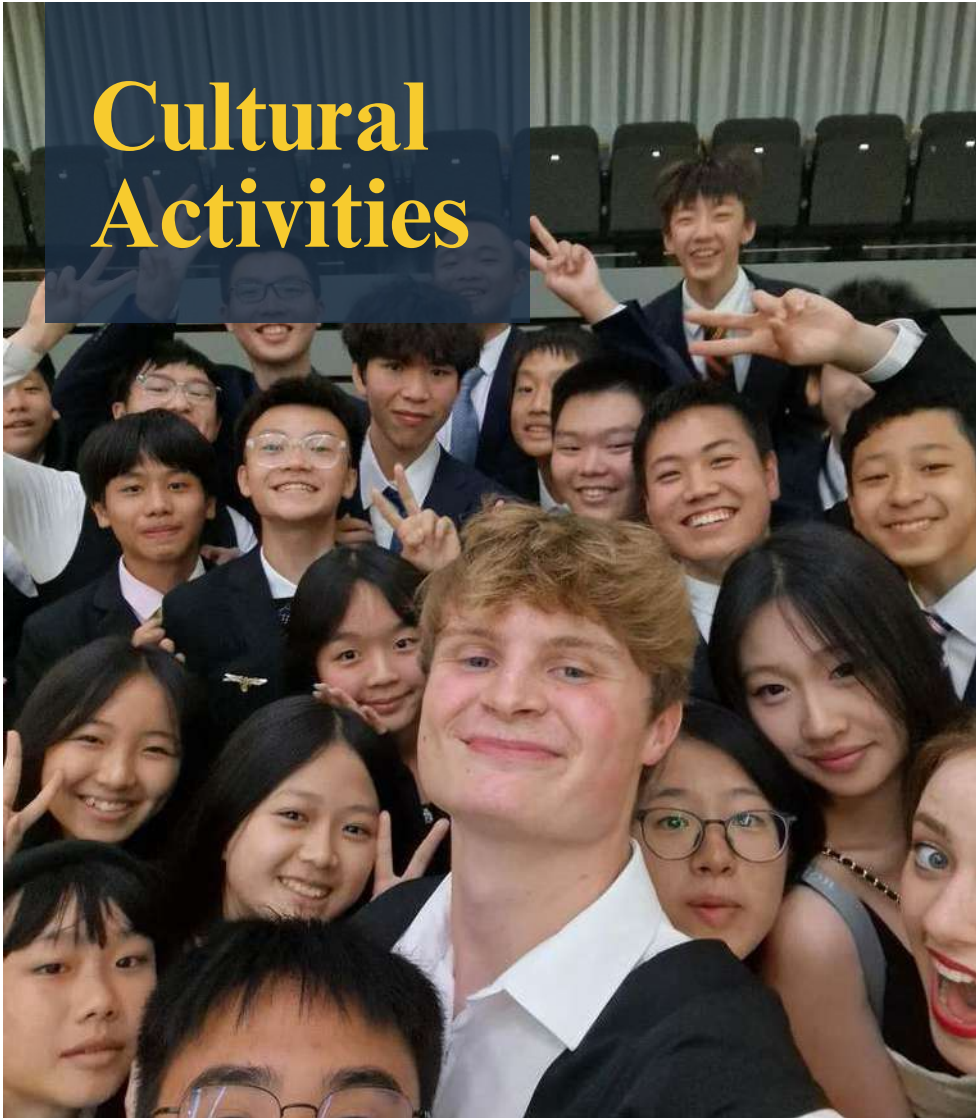
JOHN, A STUDENT FROM NANJING UNIVERSITY

Dedicated to empowering students to grow, explore new ideas and embrace the authentic Cambridge experience, Fellows help foster a supportive environment where learning, discovery and personal growth thrive.

Cultural Activities

The AI+ (Machine Learning+ or Data Science+) course enriches students' academic journeys by offering diverse learning opportunities and immersive cultural experiences that extend beyond the classroom. Our carefully curated schedule balances rigorous study with engaging activities designed to foster meaningful connections, broaden global perspectives and deepen students' appreciation of British history and culture. Through unique experiences such as formal dinners in the historic Cambridge colleges, punting excursions, City of London tours, trips to G5 Universities and a range of outdoor activities, students gain a rich understanding of both academic and cultural life in the UK.

London Trip

During the weekend, students enjoy an unforgettable day in London, exploring the city's iconic landmarks and cultural highlights, such as the Houses of Parliament, London Eye, Buckingham Palace and the British Museum. This visit is integral to the programme, providing valuable insights into British culture, history and tradition. By engaging with London's historical significance and contemporary relevance, students develop a deeper appreciation for British society and its global influence, making their experience both enriching and memorable.

College & Punting Tours

Our students are warmly welcomed to Cambridge with a tour of the colleges, hosted by their Fellows, offering a unique glimpse behind the walls of some of the UK's most stunning and historic buildings. This introduction to Cambridge is further enhanced by guided tours along the River Cam, where students delve into the rich history and fascinating stories of the riverside colleges while enjoying one of Cambridge's quintessential experiences. Together, these activities provide an unforgettable insight into the charm and tradition of this iconic university town.

Memorable Experiences

IN A COLLABORATIVE ENVIRONMENT

Formal Dinner

Formal dinners at Cambridge are elegant traditions that blend academic heritage with fine dining, offering students and faculty a unique opportunity to connect in the historic ambiance of college halls.

During the programme, the Formal Dinner serves as the perfect way to recognise our students' hard work and dedication during their time with us.

The evening begins with a drinks reception and culminates in a candlelit, three-course dinner shared with Fellows, professors and students alike.

This final celebration not only highlights the rich traditions of Cambridge but also fosters meaningful connections, leaving participants with lasting memories of their time in this prestigious academic environment.

The AI+ (Machine Learning+ or Data Science+) course offers students the unique opportunity to experience the vibrant intellectual environment and world-renowned teaching at the University of Cambridge. Through engaging projects and discussions with expert professors, students are encouraged to explore interdisciplinary connections and develop critical thinking skills, preparing them for their future aspirations.

How to Apply

Entry Requirements: IELTS 6.0/TOEFL 80 or equivalent

Successful applicants will be able to show an aptitude for their chosen subject and a willingness to learn independently throughout the programme.

Application Deadline: 15th May 2025

Consult with your institution to complete an application form.

Links

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This will be a rare opportunity to immerse yourself in an international academic environment, broaden your horizons, and connect with people from diverse cultural backgrounds. Before joining this programme, keep a positive, open and curious mindset... to make the most of this valuable experience.

GEORGE, A STUDENT FROM
SOUTHEAST UNIVERSITY

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